Devon

architectural door hardware
DEVON is a comprehensive range of architectural door hardware and ancillary fittings engineered to highest standards. Proven performance, reliability and safety that specifiers rely on, conforming to European and international standards. The DEVON range is designed to be solution oriented, providing optimum solutions to access / egress controls of single family houses, multi-family dwellings, commercial buildings, retail complexes, hospitals, universities, government buildings and manufacturing facilities.

DEVON is continuously investing in modern technologies to ensure that products remain upto date to meet the demanding requirements of changing international standards. Careful selection of premium grade raw material, precision engineering and attention to quality is manifested in every phase of manufacturing. All materials used in producing DEVON architectural door hardware comply with appropriate international standards. Grade 304 Austenitic stainless steel is the main component in the stainless steel range. For installation in severe environments, products are manufactured in marine grade 316 stainless steel. Brass door hardware is produced from brass alloys that conform to BS EN 1652 1998.

DEVON cooperates with architects and industrial designers to add lasting aesthetic value to the product range. Door furniture is designed to suit different moods - Contemporary, Classic and Traditional. The fusion of art with industrial design in DEVON products makes them blend harmoniously with design concepts of architects and designers.
The illustration given below is the nomenclature to determine handing of the fittings shown in this catalogue. We also give the ISO R1226 recommendation based on the closing direction together with a numerical symbol for the same.

Tip

View the door from the side on which hinge knuckle is visible. If the hinges are mounted on the left hand side of the door, the door is said to be *left hand*. Conversely if the hinges are mounted on the right hand side of the door, it is designated *right hand*. 
DEVON offers a wide range of finish options. Meticulous hand-polishing, modern plating plants, automated and computer-controlled electrophoretic lacquering plants deliver long lasting finishes.

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Satin Stainless Steel</td>
<td>086</td>
</tr>
<tr>
<td>Satin Stainless Steel / Polished Stainless Steel</td>
<td>036</td>
</tr>
<tr>
<td>Satin Stainless Steel / Gold Plated</td>
<td>088</td>
</tr>
<tr>
<td>Satin Stainless Steel / Polished Brass</td>
<td>089</td>
</tr>
<tr>
<td>Satin Stainless Steel / Satin Brass</td>
<td>134</td>
</tr>
<tr>
<td>Satin Stainless Steel / Polished Chrome</td>
<td>099</td>
</tr>
<tr>
<td>Satin Stainless Steel / Satin Chrome</td>
<td>135</td>
</tr>
<tr>
<td>Satin Stainless Steel / PVD</td>
<td>121</td>
</tr>
<tr>
<td>Polished Stainless Steel</td>
<td>087</td>
</tr>
<tr>
<td>Polished Stainless Steel / PVD</td>
<td>155</td>
</tr>
<tr>
<td>Silver Anodized</td>
<td>021</td>
</tr>
<tr>
<td>Polished Silver Anodized</td>
<td>022</td>
</tr>
<tr>
<td>Gold Anodized</td>
<td>024</td>
</tr>
<tr>
<td>Bronzed Anodized</td>
<td>025</td>
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<tr>
<td>Dark Bronze Anodized</td>
<td>026</td>
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<tr>
<td>Polished Brass</td>
<td>059</td>
</tr>
<tr>
<td>Satin Brass</td>
<td>057</td>
</tr>
<tr>
<td>Polished Brass / Satin Brass</td>
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<tr>
<td>Antique Brass</td>
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<tr>
<td>BMA</td>
<td>107</td>
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<tr>
<td>Satin Gold</td>
<td>030</td>
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<tr>
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<tr>
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<td>143</td>
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<td>Gold Plated / Black Chrome</td>
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<td>Gold Plated / Antique Bronze</td>
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<tr>
<td>Polished Chrome / Satin Chrome</td>
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<td>Polished Chrome / Polished Nickel</td>
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<td>Gold Sprayed</td>
<td>011</td>
</tr>
<tr>
<td>Dark Brown Sprayed</td>
<td>017</td>
</tr>
</tbody>
</table>

For long finish life, please follow the instructions as detailed in Care of finishes.
Care of finishes

Environmental conditions can have a dramatic effect on the finishes. Industrial pollution, high humidity, sea air and acidic rain may cause finish and metal to deteriorate prematurely. Periodic maintenance is highly recommended for long lasting finish. Strong acid solutions are sometimes used to clean masonry and tiling of buildings. These acids should never be used in contact with metals, including stainless steel. If it happens, the acid solution must be removed immediately, followed by dilution and rinsing with clean water.

Products fitted externally

Brass
It is recommended that unlacquered products be installed externally. Regular cleaning and applying a thin coating of good quality wax once a week is advisable. Polishing fortnightly with good quality brass polish may help in keeping the luster.

Plated Finishes
Clean with warm soapy water every fortnight and dry thoroughly. Occasional use of a suitable metal cleaner followed by a wipe of a cloth impregnated with light oil.

Stainless Steel
Stainless steel is selected in applications where its inherent corrosion resistance, strength and aesthetic appeal is required. However, depending on the service conditions, stainless steels will stain and discolor due to surface deposits and cannot be assumed to be completely maintenance free. In order to achieve maximum corrosion resistance and aesthetic appeal, the stainless steel surface must be kept clean. Clean with soap, detergent or dilute (1%) ammonia solution in warm clean water. Apply with a clean sponge, soft cloth or soft fibre brush then rinse in clean water and dry.

Products fitted internally

Brass
Lacquered brass products can be used when fitted internally. Lacquering provides protection against contamination of surface under normal usage. However it is prone to damage by use of sharp objects, abrasives, paint solvents and metal polishes. Under no circumstances should these be used on lacquered products. Regular cleaning with soft cloth supplemented by occasional washing with warm soapy water should keep the product in good condition for a long time.

Plated Finishes
Regular cleaning with soft cloth supplemented with occasional polishing with suitable metal polish.

Stainless Steel
Clean occasionally with soap, detergent or dilute (1%) ammonia solution in warm clean water. Apply with a clean sponge, soft cloth or soft fibre brush then rinse in clean water and dry.

Caution:
Under no circumstances, adhesive packing tape should be used for protection of product during construction or finishing of doors or cabinetry.
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DEVON offers a comprehensive range of door furniture engineered to the highest tolerances required by today's quality standards. Due to its robust construction, positive through fixing and high grade finishing, DEVON door furniture is suitable for use in demanding situations.

DEVON offers a broad range of door furniture designs for specifications. In addition to the standard designs shown, DEVON is able to offer special designs, styles and finishes to enable designer’s own preferences to be expressed.
### Lever Furniture

**Standard Finishes:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>086</td>
<td>Satin Stainless Steel</td>
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<tr>
<td>087</td>
<td>Polished Stainless Steel</td>
</tr>
</tbody>
</table>

Other finishes available upon request.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Lever on rose</th>
<th>Lever on rose and euro profile cylinder escutcheon</th>
<th>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 mm Ø</td>
<td>905.001</td>
<td>905.002</td>
<td>905.003</td>
</tr>
<tr>
<td>22 mm Ø</td>
<td>906.001</td>
<td>906.002</td>
<td>906.003</td>
</tr>
<tr>
<td>25 mm Ø</td>
<td>907.001</td>
<td>907.002</td>
<td>907.003</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Lever on blank plate</th>
<th>Lever on plate for euro profile cylinder</th>
<th>Lever on bathroom plate with turn, emergency release and indicator. Right hand</th>
<th>Lever on bathroom plate with turn, emergency release and indicator. Left hand</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 mm Ø</td>
<td>905.121</td>
<td>905.122</td>
<td>905.123R</td>
<td>905.123L</td>
</tr>
<tr>
<td>22 mm Ø</td>
<td>906.121</td>
<td>906.122</td>
<td>906.123R</td>
<td>906.123L</td>
</tr>
<tr>
<td>25 mm Ø</td>
<td>907.121</td>
<td>907.122</td>
<td>907.123R</td>
<td>907.123L</td>
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</table>
## Lever Furniture

### 913

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>Lever on rose</td>
<td>913.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>913.002</td>
</tr>
<tr>
<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
<td>913.003</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

### 116

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>Lever on rose</td>
<td>116.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>116.002</td>
</tr>
<tr>
<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
<td>116.003</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.
Lever on rose

971.001

Lever on rose and euro profile cylinder escutcheon

971.002

Lever on rose and bathroom escutcheon with turn, emergency release and indicator

971.003

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose

142.001

Lever on rose and euro profile cylinder escutcheon

142.002

Lever on rose and bathroom escutcheon with turn, emergency release and indicator

142.003

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.
Lever Furniture

961

Lever on rose
- 961.001

Lever on rose and euro profile cylinder escutcheon
- 961.002

Lever on rose and bathroom escutcheon with turn, emergency release and indicator
- 961.003

Standard Finishes:

086  Satin Stainless Steel
087  Polished Stainless Steel

Other finishes available upon request.

923B

Lever on rose
- 923B.001

Lever on rose and euro profile cylinder escutcheon
- 923B.002

Lever on rose and bathroom escutcheon with turn, emergency release and indicator
- 923B.003

Standard Finish:

036  Satin Stainless Steel / Polished Stainless Steel

Other finishes available upon request.
227

Lever on rose

227.001

Lever on rose and euro profile cylinder

227.002

Lever on rose and euro profile cylinder

227.003

Escutcheon

Standard Finish:

062  Satin nickel

Other finishes available upon request.

228

Lever on rose

228.001

Lever on rose and euro profile cylinder

228.002

Escutcheon

Lever on rose and euro profile cylinder with turn, emergency release and indicator

228.003

Standard Finish:

086  Satin Stainless Steel
087  Polished Stainless Steel
078  Antique Brass

Other finishes available upon request.
Lever Furniture

231

Lever on rose
231.001

Lever on rose and euro profile cylinder
Escutcheon
231.002

Standard Finish:

086  Satin Stainless Steel
087  Polished Stainless Steel

Other finishes available upon request.

232

Lever on rose
232.001

Lever on rose and euro profile cylinder
Escutcheon
232.002

Standard Finish:

086  Satin Stainless Steel
087  Polished Stainless Steel

Other finishes available upon request.
Lever Furniture

233

Lever on rose
233.001

Lever on rose and euro profile cylinder
Escutcheon
233.002

Standard Finish:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

234

Lever on rose
234.001

Lever on rose and euro profile cylinder
Escutcheon
234.002

Lever on rose and bathroom escutcheon
with turn, emergency release and indicator
234.003

Standard Finish:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.
176

**Standard Finish:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose

176.001

Lever on rose and euro profile cylinder
Escutcheon

176.002

997

**Standard Finish:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose

997.001

Lever on rose and euro profile cylinder
Escutcheon

997.002
947

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose 947.001
Lever on rose and euro profile cylinder escutcheon 947.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 947.003

934

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose 934.001
Lever on rose and euro profile cylinder escutcheon 934.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 934.003
935

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

935.001
Lever on rose

935.002
Lever on rose and euro profile cylinder escutcheon

935.003
Lever on rose and bathroom escutcheon with turn, emergency release and indicator

127

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

127.001
Lever on rose

127.002
Lever on rose and euro profile cylinder escutcheon

127.003
Lever on rose and bathroom escutcheon with turn, emergency release and indicator
Lever Furniture

966

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose 966.001
Lever on rose and euro profile cylinder escutcheon 966.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 966.003

148

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose 148.001
Lever on rose and euro profile cylinder escutcheon 148.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 148.003
### Lever Furniture

#### 223

- **Lever on rose**
  - 223.001

- **Lever on rose and euro profile cylinder escutcheon**
  - 223.002

- **Lever on rose and bathroom escutcheon with turn, emergency release and indicator**
  - 223.003

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

#### 211

- **Lever on rose**
  - 211.001

- **Lever on rose and euro profile cylinder Escutcheon**
  - 211.002

**Standard Finish:**

- 086 Satin Stainless Steel

Other finishes available upon request.
Lever Furniture

Lever on rose

**991.001**

Lever on rose and euro profile cylinder
Escutcheon

**991.002**

Standard Finishes:

- 086 Satin Stainless Steel

Other finishes available upon request.

Lever on rose

**222.001**

Lever on rose and euro profile cylinder
Escutcheon

**222.002**

Standard Finish:

- 086 Satin Stainless Steel

Other finishes available upon request.

Lever on rose

**991.001**

Lever on rose and euro profile cylinder
escutcheon

**991.002**

Lever on rose and bathroom escutcheon
with turn, emergency release and indicator

**991.003**

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.
Lever Furniture

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

241

Lever on rose 241.001
Lever on rose and euro profile cylinder escutcheon 241.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 241.003

242

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request.

Lever on rose 242.001
Lever on rose and euro profile cylinder escutcheon 242.002
Lever Furniture

**Standard Finishes:**

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes available upon request.

**243**

<table>
<thead>
<tr>
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<tbody>
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<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
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**244**

<table>
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<tr>
<th>Style</th>
<th>Code</th>
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<tbody>
<tr>
<td>Lever on rose</td>
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<td>244.002</td>
</tr>
<tr>
<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
<td>244.003</td>
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</tbody>
</table>
### Lever Furniture

**245**

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

<table>
<thead>
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<th>Description</th>
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<td>245.002</td>
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<tr>
<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
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**246**

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

<table>
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<th>Description</th>
<th>Code</th>
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<tr>
<td>Lever on rose</td>
<td>246.001</td>
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<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>246.002</td>
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</table>
### Lever Furniture

#### 247

<table>
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<th>Description</th>
<th>Code</th>
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<tbody>
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<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>247.002</td>
</tr>
<tr>
<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
<td>247.003</td>
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</table>

**Standard Finishes:**

086 Satin Stainless Steel  
087 Polished Stainless Steel

Other finishes available upon request.

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#### 248

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>Lever on rose</td>
<td>248.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>248.002</td>
</tr>
<tr>
<td>Lever on rose and bathroom escutcheon with turn, emergency release and indicator</td>
<td>248.003</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

086 Satin Stainless Steel  
087 Polished Stainless Steel

Other finishes available upon request.
249

Lever on rose 249.001
Lever on rose and euro profile cylinder escutcheon 249.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 249.003

Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel
Other finishes available upon request.

250

Lever on rose 250.001
Lever on rose and euro profile cylinder escutcheon 250.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 250.003

Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel
Other finishes available upon request.
Lever Furniture

251

Lever on rose 251.001
Lever on rose and euro profile cylinder escutcheon 251.002
Lever on rose and bathroom escutcheon with turn, emergency release and indicator 251.003

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

252

Lever on rose 252.001
Lever on rose and euro profile cylinder escutcheon 252.002

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.
## Lever Furniture

### 253

- **Lever on rose**: 253.001
- **Lever on rose and euro profile cylinder escutcheon**: 253.002

### Standard Finishes:

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes available upon request.

### 162

- **Lever on rose**: 162.001
- **Lever on rose and euro profile cylinder escutcheon**: 162.002

### Standard Finish:

- **067** Polished Chrome / Satin Nickel

Other finishes available upon request.
Lever Furniture

**38.020**

<table>
<thead>
<tr>
<th>Finish Style</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever on rose</td>
<td>38.020</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>38.202</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes available upon request.

---

**168**

<table>
<thead>
<tr>
<th>Finish Style</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever on rose</td>
<td>168.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>168.002</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

- **030** Satin Gold
- **063** Polished Chrome
- **078** Antique Brass

Other finishes available upon request.
Lever Furniture

166

Standard Finish:

127 Satin Nickel / Polished Nickel

Other finishes available upon request.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever on rose</td>
<td>166.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>166.002</td>
</tr>
</tbody>
</table>

182

Standard Finishes:

062 Satin Nickel
078 Antique Brass

Other finishes available upon request.

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lever on rose</td>
<td>182.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder Escutcheon</td>
<td>182.002</td>
</tr>
</tbody>
</table>
**Lever Furniture**

**141**

- **Standard Finishes:**
  - 061 Satin Chrome
  - 078 Antique Brass
  - 101 PVD

<table>
<thead>
<tr>
<th>Product Description</th>
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<td>141.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>141.002</td>
</tr>
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</table>

Other finishes available upon request.

**151**

- **Standard Finishes:**
  - 078 Antique Brass
  - 101 PVD

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Code</th>
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<tbody>
<tr>
<td>Lever on rose</td>
<td>151.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>151.002</td>
</tr>
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</table>

Other finishes available upon request.
Lever Furniture

218

Standard Finish:
062 Satin Nickel

Other finishes available upon request.

Lever on rose 218.001
Lever on rose and euro profile cylinder Escutcheon 218.002

224

Standard Finish:
062 Satin Nickel

Other finishes available upon request.

Lever on rose 224.001
Lever on rose and euro profile cylinder Escutcheon 224.002
### Lever on rose

<table>
<thead>
<tr>
<th>Style</th>
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<tbody>
<tr>
<td>Lever on rose</td>
<td>989.001</td>
</tr>
<tr>
<td>Lever on rose and euro profile cylinder escutcheon</td>
<td>989.002</td>
</tr>
</tbody>
</table>

### Lever on euro profile cylinder plate

<table>
<thead>
<tr>
<th>Style</th>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>Lever on euro profile cylinder plate, centers 85 mm</td>
<td>989.852</td>
</tr>
<tr>
<td>Lever on euro profile cylinder plate, centers 72 mm</td>
<td>989.722</td>
</tr>
</tbody>
</table>

### Standard Finishes:

- 127 Satin Nickel / Polished Nickel
- 143 Gold Plated / Satin Gold

Other finishes available upon request.
Lever on rose

995.001

Lever on rose and euro profile cylinder escutcheon

995.002

Standard Finishes:

067 Polished Chrome / Satin Nickel
157 PVD / Satin PVD

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm

995.722

Standard Finishes:

067 Polished Chrome / Satin Nickel
157 PVD / Satin PVD

Other finishes available upon request.
Lever Furniture

Lever on rose  996.001
Lever on rose and euro profile cylinder escutcheon  996.002

Standard Finishes:
- 067 Polished Chrome / Satin Nickel
- 157 PVD / Satin PVD

Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm  996.722

Standard Finishes:
- 067 Polished Chrome / Satin Nickel
- 157 PVD / Satin PVD

Other finishes available upon request.
Lever on euro profile cylinder plate, centers 85 mm

**158.852**

Standard Finish:
131 Satin Nickel / Gold Plated
Other finishes available upon request.

Lever on euro profile cylinder plate, centers 72 mm

**218.722**

Standard Finish:
062 Satin Nickel
Other finishes available upon request.
Lever on euro profile cylinder plate, centers 72mm 991.722

Standard Finishes:
086  Satin Stainless Steel
087  Polished Stainless Steel

Other finishes available upon request.
### Knob Ø 60 mm on rose

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>978.001</td>
<td>Knob Ø 60 mm on rose</td>
<td>978.001</td>
</tr>
</tbody>
</table>

**Standard Finish:**

- 086 Satin Stainless Steel

Other finishes available upon request.

### Knob Ø 60 mm on rose and euro profile cylinder escutcheon

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>978.002</td>
<td>Knob Ø 60 mm on rose and euro profile cylinder escutcheon</td>
<td>978.002</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

- 099 Satin Stainless Steel / Polished Chrome
- 121 Satin Stainless Steel / PVD

Other finishes available upon request.

### Knob Ø 60 mm on rose

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>975.001</td>
<td>Knob Ø 60 mm on rose</td>
<td>975.001</td>
</tr>
</tbody>
</table>

### Knob Ø 60 mm on rose and euro profile cylinder escutcheon

<table>
<thead>
<tr>
<th>Product Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>975.002</td>
<td>Knob Ø 60 mm on rose and euro profile cylinder escutcheon</td>
<td>975.002</td>
</tr>
</tbody>
</table>
Knob Furniture

Knob Ø 75 mm on rose
976.001
Knob Ø 75 mm on rose and euro profile cylinder escutcheon
976.002

Standard Finishes:
- 067 Polished Chrome / Satin Nickel
- 101 PVD

Other finishes available upon request.

Knob on rose
981.001
Knob on rose and euro profile cylinder escutcheon
981.002

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.
**056 PZ**
Euro profile escutcheon
54 ø x 10 mm, concealed fixing

**056 B**
Blank escutcheon
54 ø x 10 mm, concealed fixing

**056 N**
Narrow Euro profile escutcheon
60 x 33 x 10 mm, concealed fixing

**056 WC**
Escutcheon with thumbturn / indicator & emergency release
54 ø x 10 mm, concealed fixing

**056 WC/DA**
Escutcheon with extended thumbturn / indicator & emergency release
54 ø x 10 mm, concealed fixing
Suitable for use on toilets for people with special needs

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 078 Antique Brass
- 101 PVD

Other finishes available upon request
Slotted Spindle
Galvanized steel
99.001.007 8 x 8 x 110 mm
99.002.007 8 x 8 x 120 mm

One way Spindle
for single side lever / knob fixing.
Galvanized steel
99.003.007 8 x 8 x 65 mm

Split Spindle
for use on panic lock with split follower.
Galvanized steel
99.004.007 8 x 8 x 115 mm
99.005.007 9 x 9 x 115 mm

Half Spindle
Galvanized steel
99.006.007 8 x 8 x 65 mm

Reducer Sleeve
To reduce 9 mm lock hub to suit 8 mm spindle Galvanized steel
99.007.007 40 mm

Dead fix spindle
To fix dead lever or knob.
Galvanized steel
99.008.007

Dead fix spindle
To fix dead 975 knob.
Satin Stainless steel
99.009.086
Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request.

<table>
<thead>
<tr>
<th>C/C</th>
<th>19mm Dia</th>
<th>22mm Dia</th>
<th>25mm Dia</th>
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</thead>
<tbody>
<tr>
<td>150mm</td>
<td>98.081</td>
<td>98.089</td>
<td>98.097</td>
</tr>
<tr>
<td>225mm</td>
<td>98.082</td>
<td>98.090</td>
<td>98.098</td>
</tr>
<tr>
<td>305mm</td>
<td>98.083</td>
<td>98.091</td>
<td>98.099</td>
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</tbody>
</table>

- Standard without rose, with bolt through or back to back fixing.
- Optional roses are available for use with the pull handles, add letter “R” to the code.

Grab - Rails

<table>
<thead>
<tr>
<th>Dia</th>
<th>C/C</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 mm</td>
<td>600 mm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C/C</th>
<th>22mm Dia</th>
<th>25mm Dia</th>
<th>32mm Dia</th>
</tr>
</thead>
<tbody>
<tr>
<td>200mm</td>
<td>98.114</td>
<td>98.118</td>
<td>98.331</td>
</tr>
<tr>
<td>300mm</td>
<td>98.119</td>
<td>98.331</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>C/C</th>
<th>22mm Dia</th>
<th>25mm Dia</th>
<th>32mm Dia</th>
</tr>
</thead>
<tbody>
<tr>
<td>200mm</td>
<td>98.130</td>
<td>98.131</td>
<td>98.337</td>
</tr>
<tr>
<td>300mm</td>
<td>98.133</td>
<td>98.337</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dia</th>
<th>C/C</th>
</tr>
</thead>
<tbody>
<tr>
<td>22mm</td>
<td>250mm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Dia</th>
<th>C/C</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 mm</td>
<td>250mm</td>
</tr>
<tr>
<td>38 mm</td>
<td>700 mm</td>
</tr>
<tr>
<td>38 mm</td>
<td>1000 mm</td>
</tr>
<tr>
<td>38 mm</td>
<td>1000 mm</td>
</tr>
</tbody>
</table>
Entrance Pull Handles

**Item Code**: 98.200
- **Length**: 1800mm
- **C/C**: 1762mm
- **Dia**: 38mm
- **Standard Finishes**:
  - 086 Satin Stainless Steel
  - 087 Polished Stainless Steel

**Item Code**: 98.201
- **Length**: 1800mm
- **C/C**: 1762mm
- **Dia**: 38mm
- **Standard Finishes**: No standard finishes listed
Entrance Pull Handles

**Material:** Solid stainless steel  
**Standard Finishes:**
- 086 Satin Stainless Steel  
- 087 Polished Stainless Steel  
- 078 Antique Brass  
  - Matt Bronze

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Dia ø</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>600mm</td>
<td>565mm</td>
<td>38mm</td>
<td>98.203</td>
</tr>
</tbody>
</table>

Material : Solid stainless steel  
Standard Finishes:
- 086 Satin Stainless Steel  
- 087 Polished Stainless Steel  
- 078 Antique Brass  
  - Matt Bronze

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Dia ø</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>600mm</td>
<td>565mm</td>
<td>19mm</td>
<td>98.204</td>
</tr>
</tbody>
</table>

Material : Solid stainless steel  
Standard Finishes:
- 086 Satin Stainless Steel  
- 087 Polished Stainless Steel  
- 078 Antique Brass  
  - Matt Bronze

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Dia ø</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>535mm</td>
<td>505mm</td>
<td>32mm</td>
<td>98.205</td>
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</table>

Material : Solid stainless steel  
Standard Finishes:
- 086 Satin Stainless Steel  
- 087 Polished Stainless Steel  
- 078 Antique Brass  
  - Matt Bronze
**Entrance Pull Handles**

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>610mm</td>
<td>570mm</td>
<td>42mm</td>
<td>98.206</td>
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</tbody>
</table>

**Material:** Solid stainless steel  
**Standard Finishes:**  
086 Satin Stainless Steel  
087 Polished Stainless Steel  
078 Antique Brass  
Matt Bronze

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>630mm</td>
<td>580mm</td>
<td>75mm</td>
<td>98.207</td>
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</table>

**Material:** Solid stainless steel  
**Standard Finishes:**  
086 Satin Stainless Steel  
087 Polished Stainless Steel  
078 Antique Brass  
Matt Bronze

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
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<tbody>
<tr>
<td>400mm</td>
<td>350mm</td>
<td>79.5mm</td>
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</table>

**Material:** Solid stainless steel  
**Standard Finishes:**  
086 Satin Stainless Steel  
087 Polished Stainless Steel  
078 Antique Brass  
Matt Bronze
Entrance Pull Handles

**98.209**

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
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<tbody>
<tr>
<td>510mm</td>
<td>475mm</td>
<td>40mm</td>
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Standard Finishes:
078  Antique Brass

**98.210**

<table>
<thead>
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<th>Section</th>
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<tbody>
<tr>
<td>600mm</td>
<td>570mm</td>
<td>30mm</td>
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Standard Finishes:
078  Antique Brass

**98.211**

<table>
<thead>
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<th>Length</th>
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<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>450mm</td>
<td>330mm</td>
<td>28mm</td>
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</table>

Standard Finishes:
078  Antique Brass
### Entrance Pull Handles

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>800mm</td>
<td>460mm</td>
<td>38mm</td>
<td>98.212</td>
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</table>

**Material:** Brass  
**Standard Finishes:**  
059 Polished Brass  
078 Antique Brass  
Matt Bronze  

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>350mm</td>
<td>180mm</td>
<td>25mm</td>
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</table>

**Material:** Brass  
**Standard Finishes:**  
059 Polished Brass  
078 Antique Brass  
Matt Bronze
### 98.215

<table>
<thead>
<tr>
<th>Length</th>
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<th>Item Code</th>
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<tbody>
<tr>
<td>630mm</td>
<td>430mm</td>
<td>32mm</td>
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**Material:** Brass  
**Standard Finishes:**  
059 Polished Brass  
078 Antique Brass  
Matt Bronze

### 98.216

<table>
<thead>
<tr>
<th>Length</th>
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<th>Section</th>
<th>Item Code</th>
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<tbody>
<tr>
<td>1200mm</td>
<td>898mm</td>
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</table>

**Material:** Brass  
**Standard Finishes:**  
059 Polished Brass  
078 Antique Brass  
Matt Bronze
Entrance Pull Handles

**98.217**

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Dia.</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1020mm</td>
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**Standard Finishes:**
078 Antique Brass

**98.218**

<table>
<thead>
<tr>
<th>Length</th>
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<th>Section</th>
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</tr>
</thead>
<tbody>
<tr>
<td>800mm</td>
<td>350 x 2</td>
<td>39 x 39</td>
<td>98.218</td>
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</tbody>
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**Standard Finishes:**
078 Antique Brass
Entrance Pull Handles

**98.219**

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Dia ø</th>
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<tbody>
<tr>
<td>465mm</td>
<td>364mm</td>
<td>38</td>
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</table>

Standard Finishes:
078 Antique Brass

**98.220**

<table>
<thead>
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<th>C/C</th>
<th>Section</th>
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<tbody>
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Standard Finishes:
078 Antique Brass

**98.221**

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>300mm</td>
<td>230mm</td>
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</table>

Standard Finishes:
078 Antique Brass

**98.222**

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>300mm</td>
<td>245mm</td>
<td>38</td>
<td>98.222</td>
</tr>
</tbody>
</table>

Standard Finishes:
078 Antique Brass
Pull Handles

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>270mm</td>
<td>245mm</td>
<td>25</td>
<td>98.300</td>
</tr>
</tbody>
</table>

Length C/C Section Item Code
270mm 245mm 25 98.300

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>270mm</td>
<td>245mm</td>
<td>25</td>
<td>98.300</td>
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</table>

Length C/C Section Item Code
270mm 245mm 25 98.300

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Other finishes available upon request

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>270mm</td>
<td>245mm</td>
<td>25</td>
<td>98.300</td>
</tr>
</tbody>
</table>

Length C/C Section Item Code
270mm 245mm 25 98.300
Pull Handles

Standard Finishes:

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes available upon request

### Item 98.302

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Dia ø</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>380mm</td>
<td>280mm</td>
<td>20</td>
<td>98.302.1</td>
</tr>
<tr>
<td>410mm</td>
<td>350mm</td>
<td>30</td>
<td>98.302.2</td>
</tr>
</tbody>
</table>

### Item 98.303

<table>
<thead>
<tr>
<th>Length</th>
<th>C/C</th>
<th>Section</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>280mm</td>
<td>248mm</td>
<td>30 x 16</td>
<td>98.303</td>
</tr>
</tbody>
</table>

Standard Finishes:

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes available upon request
**Pull Handles**

**Standard Finishes:**
086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>C/C Width (mm)</th>
<th>Size</th>
<th>Item Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>215</td>
<td>200</td>
<td>25 x 10</td>
<td>98.305.1</td>
</tr>
<tr>
<td>315</td>
<td>300</td>
<td>30 x 15</td>
<td>98.305.2</td>
</tr>
<tr>
<td>415</td>
<td>400</td>
<td>30 x 15</td>
<td>98.305.3</td>
</tr>
<tr>
<td>620</td>
<td>600</td>
<td>40 x 20</td>
<td>98.305.4</td>
</tr>
<tr>
<td>820</td>
<td>800</td>
<td>40 x 20</td>
<td>98.305.5</td>
</tr>
</tbody>
</table>

**Lengths and Sizes:**

- **98.304**
  - Length: 215, 315, 415, 380, 410 mm
  - Size: 29 x 29, 29 x 29
  - Item Codes: 98.304.1, 98.304.2

- **98.305**
  - Length: 215, 315, 415, 620, 820 mm
  - Size: 25 x 10, 30 x 15, 40 x 20
  - Item Codes: 98.305.1 - 98.305.5
Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes available upon request
Pull Handles on Plates

98.126
19 x 110 mm pull on 170 x 170 mm plate

98.338
22 x 110 mm pull on 170 x 170 mm plate

98.339
25 x 110 mm pull on 170 x 170 mm plate

The plates can be supplied with text, symbol or cylinder cut out. Add following letters to code number as required.

F - Female Symbol  D - Disabled Symbol
M - Male Symbol    X - Text
U - Unisex Symbol  Y - Euro Profile Cylinder Cut-Out

98.121
19 x 225 mm pull on 76 x 305 mm plate

98.122
22 x 225 mm pull on 76 x 305 mm plate

98.125
25 x 225 mm pull on 76 x 305 mm plate

Rectangular plates supplied as standard.
For rounded plates add letter “R” to code number.

98.340
19 x 150 mm pull on 76 x 305 mm plate

98.341
22 x 150 mm pull on 76 x 305 mm plate

98.342
25 x 150 mm pull on 76 x 305 mm plate

Rectangular plates supplied as standard.
For rounded plates add letter “R” to code number.
These plates can be supplied with text, symbol or cylinder cut-out. Add following letters to code number as required.

F - Female Symbol  X - Text
M - Male Symbol    Y - Euro Profile Cylinder Cut-Out
D - Disable Symbol

Push Plates

The plates are supplied in 1.5 mm thickness for stainless steel or brass material and 2.0 mm for aluminium, as standard. Other thickness can be supplied to customer’s requirement.

96.135 305 x 76 x 1.5 mm
96.136 305 x 76 x 2.0 mm
96.137 305 x 76 x 3.0 mm
96.138 305 x 100 x 1.5 mm
96.139 305 x 100 x 2.0 mm
96.140 305 x 100 x 3.0 mm

Rectangular plates supplied as standard.
For rounded plates add letter “R” to code number.

96.141 170 x 170 x 1.5 mm
96.142 170 x 170 x 2.0 mm
96.143 170 x 170 x 3.0 mm

These plates can be supplied with text or symbol. Add following letters to code number as required.

F - Female Symbol  D - Disable Symbol
M - Male Symbol    X - Text

Note: Any size and shape can be manufactured to suit customer’s requirement.

Standard Finishes:
086 Satin Stainless Steel  087 Polished Stainless Steel
Other finishes available upon request.
Kick Plates and Trolley Plates

Kick plates and Trolley Plates are available from 1.2 mm to 3 mm thickness, depending on the material.

Size must be specified when ordering

How to order

Application A

Full width of inside door face minus 5 mm clearance at each edge. Total 10 mm clearance

Application B

Full width of outside door face minus rebate at each edge, minus a further 5 mm clearance at both edges.

Signage 100 x 150 mm x 1.5mm Thickness

Common signs are illustrated below. An extensive range of symbols is available upon request.

<table>
<thead>
<tr>
<th>Thickness (mm)</th>
<th>Cat. Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2</td>
<td>96.150</td>
</tr>
<tr>
<td>1.5</td>
<td>96.151</td>
</tr>
<tr>
<td>2.0</td>
<td>96.152</td>
</tr>
<tr>
<td>3.0</td>
<td>96.153</td>
</tr>
</tbody>
</table>

Signage (Circular) 76mm Dia, 1.5mm Thickness

<table>
<thead>
<tr>
<th>Standard Finishes:</th>
</tr>
</thead>
<tbody>
<tr>
<td>086 Satin Stainless Steel</td>
</tr>
<tr>
<td>087 Polished Stainless Steel</td>
</tr>
<tr>
<td>Other finishes available upon request.</td>
</tr>
</tbody>
</table>
Name / Number Plate

TELEPHONE ROOM
93.136
305 x 76 x 1.5 mm

OFFICE
93.209 L
120 x 60 x 1.5 mm

Bell Push Plates
1204
93.224
150 x 100 mm
93.225
85 x 85 mm

Door Number / Letter
21
93.300 - 93.309
50 mm
SF0
93.30A - 93.30Z
50 mm

Standard Finishes:
086  Satin Stainless Steel    087  Polished Stainless Steel
Other finishes available upon request.
BOLTS

Barrel Bolt

94.150 102 x 25 mm
94.151 152 x 25 mm
94.152 203 x 32 mm

Standard Finishes:
059 Polished Brass
061 Satin Chrome
078 Antique Brass

94.153 102 x 25 mm
94.154 152 x 25 mm

Standard Finishes:
059 Polished Brass
061 Satin Chrome
078 Antique Brass

Lever Action Flush Bolt

94.155 152 x 19 mm
94.156 203 x 19 mm
94.157 305 x 19 mm
94.180 457 x 19 mm
94.181 609 x 19 mm
94.182 914 x 19 mm

Other available sizes upon request.

Standard Finishes:
059 Polished Brass
061 Satin Chrome
063 Polished Chrome
078 Antique Brass

94.170 203 x 25 mm
94.171 305 x 25 mm

Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel

Extension Bolts

Lever action flush extension bolt, suitable for metal doors. Supplied with 254 mm rod, unless other lengths are specified.

Standard Finishes:
061 Satin Chrome
063 Polished Chrome

94.370
Automatic Bolts

94.190
- Non handed
- UL Listed - Label A
- 25.5 x 216 mm, fits standard ANSI preparation.

Standard Finish:
086 Satin Stainless Steel

94.191
- Reversible latch.
- 168 x 25 mm.
- Depth 20 mm.
- Adjustable bolt height.
- Suitable for fire door.

Standard Finish:
098 Zinc Plated

94.192
- Supplied with rod height 250 mm.
- Minimum profile depth 50 mm.
- Reversible anti-friction Bolt.
- Suitable for fire door.

Standard Finish:
007 Galvanized

94.193
- Non handed
- UL Listed - Label A
- 25.5 x 171 mm, fits standard ANSI preparation.

Standard Finish:
086 Satin Stainless Steel

Easy Clean Socket

94.158

Standard Finishes:
059 Polished Brass
021 Silver Anodized

Dust Excluding Sockets

94.165
13 mm ø

Standard Finishes:
061 Satin Chrome
059 Polished Brass
078 Antique Brass

94.166
19 mm ø

Standard Finishes:
086 Satin Stainless Steel
059 Polished Brass
078 Antique Brass

94.167
22 mm ø

Standard Finish:
086 Satin Stainless Steel
**Flush Handles**

- **98.504**
  - 120 x 40mm

- **98.501**
  - 102 x 40mm

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

**Flush Ring Handles**

- **98.502**
  - 89 x 89 mm
  - Squash Court Handle

- **98.503**
  - 76 mm φ
  - Flush Ring Handle

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

**Roller Catch**

- **88.478**

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

**Cylinder Pulls**

- **93.204**
  - Blank

- **93.205**

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

**Latches**

- **88.465**
  - Dead Latch

- **88.466**
  - Latch

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

**Ball Catch**

- **88.477**

**Standard Finish:**
- 086 Satin Stainless Steel

**Budget Lock**

- **93.198**

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
Door Guard / Chains

93.183
Standard Finishes:
061 Satin Chrome
063 Polished Chrome
059 Polished Brass
078 Antique Brass

93.206
Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel

93.185
Standard Finishes:
061 Satin Chrome
063 Polished Chrome
059 Polished Brass
078 Antique Brass

93.207
Standard Finishes:
061 Satin Chrome
063 Polished Chrome
059 Polished Brass
078 Antique Brass

Door Viewer
200 Degree
Door Stops

95.171
Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass

95.174
Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 061 Satin Chrome
- 063 Polished Chrome
- 059 Polished Brass
- 078 Antique Brass

95.175
Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

95.176
Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

Door Limiting Stay

Concealed overhead limiting stay to prevent door opening beyond 90°. Suitable for use on single action and double action doors, where conditions do not allow fixing of door stop.

95.172
Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

95.185
Wall door holder

Standard Finish:
- 086 Satin Stainless Steel

Door Holders

95.181
95.183
Foot operated
Foot operated

95.182
Magnetic door holder

Standard Finishes:
- 061 Satin Chrome
- 063 Polished Chrome
- 068 Gold Plated

86.270
Standard Finish:
- 007 Galvanized steel
**Indicator Bolts**

- **91.201**
- **91.202**
- **91.203** (Suitable for Disabled Toilet)

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel

**Hooks**

- **92.192**
- **92.193**
- **92.193 S**
- **92.195**

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
The material used in producing DEVON architectural hinges complies with the current BS EN Standards. Grade 304 Austenitic stainless steel is the main component in the stainless steel range. For installation in very harsh environments, hinges can be manufactured (to special order) in marine grade 316 stainless steel.

DEVON hinges match or complement the finish of architectural hardware and retain their appearance over many years. DEVON hinges are normally available ex-stock in satin stainless steel. Other finishes are available to meet the design and styling considerations of new building and refurbishment schemes. These include bright polished stainless steel, satin or polished brass lacquered finishes.

DEVON hinges are subject to rigorous test procedures to ensure that they comply with EN 1935. Products are designed and developed to satisfy international standards.

DEVON Architectural Hinges are classified under BSEN 1935 (see the table opposite) and are being developed to meet future international standards on their publication. These are specifications for the strength and durability of single axis hinges for side hung application and dimensional requirements for template drilling. BS EN grade is given according to the maximum annual number of operations.

It is important to remember that the weight of the door hardware and any glass used, can significantly increase the mass of a door and should be taken into account when specifying hinges.

Door closers also increase the load on hinges. If a door closer is fitted, it is recommended that the effective door mass be assumed to be 20% greater than the actual door mass. Backcheck closers impose even more load and the mass of the door should be assumed to be 75% greater than the actual mass.

<table>
<thead>
<tr>
<th>Hinge</th>
<th>Usage</th>
<th>Test cycles</th>
<th>Door mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Window</td>
<td>10 000</td>
<td>10 kg</td>
</tr>
<tr>
<td>2</td>
<td>Window</td>
<td>10 000</td>
<td>20 kg</td>
</tr>
<tr>
<td>3</td>
<td>Window/Door</td>
<td>25 000</td>
<td>20 kg</td>
</tr>
<tr>
<td>4</td>
<td>Door</td>
<td>200 000</td>
<td>20 kg</td>
</tr>
<tr>
<td>5</td>
<td>Window</td>
<td>10 000</td>
<td>40 kg</td>
</tr>
<tr>
<td>6</td>
<td>Window/Door</td>
<td>25 000</td>
<td>40 kg</td>
</tr>
<tr>
<td>7</td>
<td>Door</td>
<td>200 000</td>
<td>40 kg</td>
</tr>
<tr>
<td>8</td>
<td>Window</td>
<td>10 000</td>
<td>60 kg</td>
</tr>
<tr>
<td>9</td>
<td>Window/Door</td>
<td>25 000</td>
<td>60 kg</td>
</tr>
<tr>
<td>10</td>
<td>Door</td>
<td>200 000</td>
<td>80 kg</td>
</tr>
<tr>
<td>11</td>
<td>Door</td>
<td>200 000</td>
<td>100 kg</td>
</tr>
<tr>
<td>12</td>
<td>Door</td>
<td>200 000</td>
<td>120 kg</td>
</tr>
<tr>
<td>13</td>
<td>Door</td>
<td>200 000</td>
<td>160 kg</td>
</tr>
<tr>
<td>14</td>
<td>Door</td>
<td>200 000</td>
<td>200 kg</td>
</tr>
</tbody>
</table>

Fire Door Hinges

Building Regulations stipulate a minimum melting point of 500°C for fire door hinges. DEVON architectural hinges are made from stainless steel which has a melting point of 1530°C and are all suitable for use on fire doors.

When hanging a fire door, all the hinges must be bedded on suitable intumescent material or intumescent mastic on both the door and frame. Intumescent hinge packs are available upon request.
Hinge Selection

The appropriate specification and correct selection of hinges is crucial to their performance and depends on the following factors;

- Door Size, weight and construction.
- Frequency of use and the type of traffic.
- The environment and location

Hinges should always be specified to comply with the BS EN 1935 classification appropriate to the type of application. When specifying, please state the actual door weight and the adjusted door weight. To assist in selecting the right Devon hinges, refer to the table on the previous page.

Number of Hinges

Normally three hinges are fitted to each door leaf in accordance with BS 4787 part 1. For doors exceeding 2100 mm in height, a fourth hinge should be fitted.

Hinge Installation

Hinges should be installed in accordance with the door manufacturer’s recommendations. Where no such instructions are available, care must be taken to ensure that the hinges are correctly aligned and fixed securely to the door and frame. Screw holes should be piloted and screw heads must be flush with the hinge face to ensure that the door closes properly.

Hinge Positioning

It is usually acceptable to line up the centre hinge with the handle hardware.

Equally spaced hinges will minimize warping, which may occur in environments with extremes of temperature or humidity on either side of the door. Unequally spaced hinges (Fig. c and d), improve load bearing. This is recommended where the hinges are operating near their load bearing maximum or where door closers, particularly back check door closers, are in operation and the door is frequently used.
CE 13 BS EN 1935 Certified High Performance Stainless Steel Double Ball Bearing Hinges

High performance hinge with extra deep thrust bearing for high load and long life. Stainless steel fixed pin.

- Template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Certified to EN 1935 Grade 13
- CE certified.
- Certifire approved
- Suitable for fire rated doors.
- Very high Anti-Corrosive to BS EN Grade 4

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.355</td>
<td>102 x 76 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>89.356</td>
<td>102 x 102 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>89.357</td>
<td>102 x 89 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>89.359</td>
<td>127 x 76 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>89.372</td>
<td>152 x 76 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer

Stainless Steel Two Ball Bearing Hinges

Heavy duty hinge with stainless steel fixed pin, 2 thrust bearing and button tip at both ends.

- Wooden and metal doors and frames.
- Standard : EN 1935:2002
- Class : 4
- Corrosion resistance Grade 4 : 240 Hrs

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.380</td>
<td>102 x 76 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>89.381</td>
<td>102 x 89 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
<tr>
<td>89.382</td>
<td>102 x 102 x 3 1¼ x 10 S/S 8</td>
<td>120</td>
<td>13</td>
<td></td>
</tr>
</tbody>
</table>
Stainless Steel Four Ball Bearing Hinges

Heavy duty hinge with stainless steel fixed pin, 4 thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Suitable for fire rated doors
- Available with security dog bolt upon request.

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.350</td>
<td>102 x 76 x 3</td>
<td>1¼ x 10 S/S 8</td>
<td>80</td>
<td>13</td>
</tr>
<tr>
<td>89.351</td>
<td>102 x 102 x 3</td>
<td>1¼ x 10 S/S 8</td>
<td>80</td>
<td>13</td>
</tr>
<tr>
<td>89.352</td>
<td>114 x 102 x 3.4</td>
<td>1¼ x 12 S/S 8</td>
<td>120</td>
<td>13</td>
</tr>
<tr>
<td>89.353</td>
<td>114 x 114 x 3.4</td>
<td>1¼ x 12 S/S 8</td>
<td>120</td>
<td>13</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer

Stainless Steel Washer Hinges.

With stainless steel fixed pin, stainless steel washers and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- Suitable for fire rated doors, comply with EN1634.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.342</td>
<td>76 x 52 x 2</td>
<td>1¼ x 6 S/S 8</td>
<td>60</td>
<td>10</td>
</tr>
<tr>
<td>89.343</td>
<td>102 x 76 x 2.5</td>
<td>1¼ x 8 S/S 8</td>
<td>60</td>
<td>10</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer
### Stainless Steel Rising Hinges

With stainless steel fixed pin and button tip at both ends.

**Standard Finishes:**

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness (MM)</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.411</td>
<td>102 x 76 x 3</td>
<td>1 ¼ x 10 S/S</td>
<td>8</td>
</tr>
</tbody>
</table>

Weight capacity is based on two hinges per door

### Stainless Steel Falling Hinges

With stainless steel fixed pin and button tip at both ends.

**Standard Finishes:**

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness (MM)</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.412</td>
<td>102 x 76 x 3</td>
<td>1 ¼ x 10 S/S</td>
<td>8</td>
</tr>
</tbody>
</table>

Weight capacity is based on two hinges per door
### Brass Washered Hinges

Strong hinges with stainless steel pin and double stainless steel washers

- Available with congruent (zig zag) or ANSI A 156.7 template drilled screw holes

#### Standard Finishes:

- **059** Polished Brass
- **063** Polished Chrome
- **078** Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Countersunk Head</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size</td>
<td>Type</td>
<td>Qty.</td>
</tr>
<tr>
<td>89.308</td>
<td>76 x 52 x 2.5</td>
<td>1 x 8</td>
<td>Brass</td>
<td>8</td>
</tr>
<tr>
<td>89.309</td>
<td>102 x 76 x 3</td>
<td>1¼ x 10 Brass</td>
<td>8</td>
<td>60</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer

### Brass Washered Hinges With Finials

Strong hinges with stainless steel pin and double stainless steel washers

- Available with congruent (zig zag) or ANSI A 156.7 template drilled screw holes

#### Standard Finishes:

- **059** Polished Brass
- **063** Polished Chrome
- **078** Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Countersunk Head</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size</td>
<td>Type</td>
<td>Qty.</td>
</tr>
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<td>89.308</td>
<td>76 x 52 x 2.5</td>
<td>1 x 8</td>
<td>Brass</td>
<td>8</td>
</tr>
<tr>
<td>89.309</td>
<td>102 x 76 x 3</td>
<td>1¼ x 10 Brass</td>
<td>8</td>
<td>60</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer
Brass Double Ball Bearing Hinges

Double ball bearing hinge with stainless steel fixed pin, two thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

Standard Finishes:

- 059 Polished Brass
- 063 Polished Chrome
- 078 Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.328</td>
<td>102 x 76 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>11</td>
</tr>
<tr>
<td>89.329</td>
<td>102 x 102 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>11</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer

Brass Four Ball Bearing Hinges

Four ball bearing hinge with stainless steel fixed pin, four thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

Standard Finishes:

- 059 Polished Brass
- 063 Polished Chrome
- 078 Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.332</td>
<td>102 x 76 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.333</td>
<td>127 x 76 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.334</td>
<td>102 x 102 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.335</td>
<td>114 x 102 x 3.5</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.336</td>
<td>127 x 102 x 4</td>
<td>1 ¼ x 14 Brass 10</td>
<td>120</td>
<td>13</td>
</tr>
<tr>
<td>89.337</td>
<td>152 x 102 x 4</td>
<td>1 ¼ x 14 Brass 10</td>
<td>120</td>
<td>13</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer
Brass Double Ball Bearing Hinges With Finials.

Double ball bearing hinge with stainless steel fixed pin, two thrust bearing and finials at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

Standard Finishes:

- 059 Polished Brass
- 068 Gold Plated
- 078 Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.324</td>
<td>102 x 76 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>11</td>
</tr>
<tr>
<td>89.325</td>
<td>102 x 102 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>11</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer

Brass Four Ball Bearing Hinges With Finials

Four ball bearing hinge with stainless steel fixed pin, four thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.

Standard Finishes:

- 059 Polished Brass
- 068 Gold Plated
- 078 Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.500</td>
<td>102 x 76 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.501</td>
<td>127 x 76 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.502</td>
<td>102 x 102 x 3</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.503</td>
<td>114 x 102 x 3.5</td>
<td>1 ¼ x 12 Brass 8</td>
<td>80</td>
<td>12</td>
</tr>
<tr>
<td>89.504</td>
<td>127 x 102 x 4</td>
<td>1 ¼ x 12 Brass 10</td>
<td>120</td>
<td>13</td>
</tr>
<tr>
<td>89.505</td>
<td>152 x 102 x 4</td>
<td>1 ¼ x 14 Brass 10</td>
<td>120</td>
<td>13</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer
Brass Parliament Hinges

With brass pin

- Available with congruent (zig zag screw holes)

Standard Finishes:

059 Polished Brass
063 Polished Chrome
068 Gold Plated
078 Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.399</td>
<td>102 x 76 x 127 x 4</td>
<td>1¼ x 12 Brass</td>
<td>8</td>
<td>60</td>
</tr>
<tr>
<td>89.400</td>
<td>102 x 102 x 152 x 4</td>
<td>1¼ x 12 Brass</td>
<td>8</td>
<td>60</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door

Concealed Hinges

Concealed hinges with stainless steel links and pins.

- Available with congruent (zig zag) screw holes

Standard Finishes:

061 Satin Chrome
059 Polished Brass
063 Polished Chrome
078 Antique Brass

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.360</td>
<td>70 x 16</td>
<td>1¼ x 8 NP</td>
<td>4</td>
</tr>
<tr>
<td>89.361</td>
<td>95 x 19</td>
<td>1¼ x 10 NP</td>
<td>4</td>
</tr>
<tr>
<td>89.362</td>
<td>117.5 x 25.5</td>
<td>1¼ x 12 NP</td>
<td>4</td>
</tr>
<tr>
<td>89.363</td>
<td>140 x 35</td>
<td>1¼ x 12 NP</td>
<td>4</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
3D Adjustable Concealed Hinge

DATA AND FEATURES

• 3D Adjustable

• Load Capacity
  2 hinges : 80kg
  3 hinges : 110kg

• Finishing
  Plated:
  Polished Brass
  Polished Chrome

  Powder Coated:
  Satin Chrome
  Satin Nickel
  Coated Bronze
  White
  Black

• Dimensions:
  Height : 110mm
  Width : 24mm
  Opening Angle : 180°
Aluminium Washer Hinges

Durable hinges with stainless steel pin and double stainless steel washers

Standard Finishes:

021 Silver Anodized
022 Polished Silver Anodized

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness</th>
<th>Screws per hinge</th>
<th>Effective Door Weight</th>
<th>EN1634 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.296</td>
<td>102 x 76 x 4</td>
<td>1¼ x 12</td>
<td>60</td>
<td>10</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door.

Double Action Spring Hinge

• Door opens in either direction
• Spring tension is adjustable

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Height</th>
<th>Screws per hinge</th>
<th>Effective Door Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>86.250</td>
<td>100 mm</td>
<td>1¼ x 10</td>
<td>30</td>
</tr>
<tr>
<td>86.251</td>
<td>125 mm</td>
<td>1¼ x 10</td>
<td>40</td>
</tr>
<tr>
<td>86.252</td>
<td>150 mm</td>
<td>1¼ x 10</td>
<td>50</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door. The center hinge should be installed approximately 250 mm from top hinge for maximum support.
Stainless Steel Double Ball Bearing Hinges

High quality hinge with stainless steel fixed pin, 2 thrust bearing and button tip at both ends.

- Available with congruent (zig zag) or template drilled screw holes.
- For timber door/metal frame application half wood/half machine screws (size ½ x 12-24) are supplied. Please specify.
- Suitable for fire rated doors, comply with EN1634
- Successfully included in fire door test upto 120 minutes
- Available with security dog bolt upon request.

**Standard Finishes:**

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel
- **078** Antique Brass
- **101** PVD

Other finishes upon request.

<table>
<thead>
<tr>
<th>Code</th>
<th>Length x Width x Thickness MM</th>
<th>Screws per hinge Countersunk Head</th>
<th>Effective Door Weight (Kg)</th>
<th>EN1935 Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>89.338</td>
<td>102 x 76 x 3</td>
<td>1⅛ x 10 S/S</td>
<td>8</td>
<td>80</td>
</tr>
<tr>
<td>89.339</td>
<td>102 x 102 x 3</td>
<td>1⅛ x 10 S/S</td>
<td>8</td>
<td>80</td>
</tr>
<tr>
<td>89.340</td>
<td>114 x 102 x 3.4</td>
<td>1⅛ x 12 S/S</td>
<td>8</td>
<td>120</td>
</tr>
<tr>
<td>89.341</td>
<td>114 x 114 x 3.4</td>
<td>1⅛ x 12 S/S</td>
<td>8</td>
<td>120</td>
</tr>
</tbody>
</table>

Weight capacity is based on three hinges per door
Add one more hinge on the door installed with overhead door closer.
Mortise Cylinder Lockcase

- Stainless steel latchbolt and dead bolt
- Center: 72 mm
- Deadbolt: 2 Turn
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003
- EN Classification: 3X810G3B20

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

88.750 - 55 mm backset
88.760 - 60 mm backset
Locking Devices

Mortise Latchcase

- Stainless steel latchbolt
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Standard: Certified to EN12209:2003
- EN classification 3X810G-B020

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

88.751 - 55 mm backset
88.761 - 60 mm backset
Locking Devices

Mortise Dead Lockcase

- Stainless steel deadbolt
- Deadbolt: 2 turn
- Forend: Round or rectangle, stainless steel
- Standard: Certified to EN12209:2003
- EN classification: 3X810G3BC00

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

88.752 - 55 mm backset
88.762 - 60 mm backset
Locking Devices

Mortise Bathroom Lockcase

- Heavy duty spring mechanism, suitable for non-sprung level furniture.
- Stainless steel deadbolt
- Deadbolt: 2 turn
- Centers: 78mm
- Backset: 55mm (standard), 60mm upon request
- Latch and dead bolt spindle 8 x 8mm
- Front plate rectangular as standard. Rounded front plate available upon order
- Standard: EN12209:2003
- Easy reversible latch bolt - without tampering with lock mechanism.

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.

88.753 - 55 mm backset
88.763 - 60 mm backset
Rollerbolt lock case

- Standard: EN12209:2003
- Forend: Stainless steel rectangular, optional rounded
- Rollerbolt: Stainless steel
- Deadbolt: Stainless steel, 2 turn
- Cylinder: Euro profile
- Centers: 72mm
- Bracket 55mm standard, optional 60mm

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Locking Devices

Mortice Project Lock

- Heavy duty spring mechanism, suitable for non-sprung level furniture.
- Two turn dead bolt extension
- Centers 72 mm (Bathroom 78 mm)
- Backset 55 mm (Standard), 60 mm
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Key action on latch bolt.
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard.
  Rounded front plate available upon order
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.
Mortice Bathroom Lock

- Heavy duty spring mechanism, suitable for non-sprung level furniture.
- Two turn dead bolt extension
- Centers 78 mm
- Backset 55 mm (Standard)
- Front plate 24 x 235 mm, optional 20 x 235 mm
- Easy reversible latch bolt - without tampering with lock mechanism.
- Dimensions according to DIN 18251 - part 1
- Front plate rectangular as standard.
  Rounded front plate available upon order
- Successfully included in fire test to BS 476: Part 22 for use on 120 minutes fire door.

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.
Locking Devices

Mortice Latch

- Balanced spring mechanism, suitable for both sprung and unsprung lever Furniture for long life Operation.
- Easy reversible latch
- Backset 55 mm
- Forend 24 x 138 mm

Mortice Dead Lock

- Euro Profile Cylinder Operation
- Backset 55 mm
- Two turn bolt extension
- Forend 24 x 138 mm

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

Other finishes upon request.
Mortice Sliding Door Locks

Cylinder operated mortice lock for sliding doors.
- 50 mm Backset
- Solid brass hook
- Forend 24 x 185 mm

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

Other finishes upon request.

Privacy function mortice lock for sliding doors.
- 50 mm Backset
- 8 mm square spindle holes
- Solid brass hook
- Forend 24 x 185 mm

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass

Other finishes upon request.
Mortice Locks

- Heavy spring mechanism, suitable for non-sprung lever furniture.
- Two turn dead bolt extension
- Centers 85 mm
- Backset 45 mm
- Front plate 24 x 235 mm
- Easy reversible latch - without tampering with lock mechanism.
- Solid brass latch and dead bolt
- Solid brass front plate

Standard Finishes:

- 059 Polished Brass
- 068 Gold Plated
Mortise Cylinder Lockcase

- Stainless steel latchbolt and deadbolt
- Center: 85 mm
- Deadbolt: 2 Turn
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003
- EN Classification: 3810S3BC20

Standard Finishes:

086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.

88.851 - 45 mm backset
88.852 - 55 mm backset
88.853 - 60 mm backset
Mortise Cylinder Lockcase

- Heavily sprung for lever handles
- Center: 72 mm
- 60mm backset
- Deadbolt: 2 turn
- Reversible latch
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HC10

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Mortise Latchcase

- Heavily sprung for lever handles
- 60mm backset
- Forend: Round or rectangle, stainless steel
- Reversible latch
- Lever follower: 8 x 8 mm
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HDB10

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Mortise Deadlock

- Dead bolt 2 turn
- 60mm backset
- Forend: Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HC00

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Mortise Privacy Deadlock

- 60mm backset (other backset available upon request)
- Deadbolt: 2 turn
- Forend: Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4H00

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Mortise Privacy Lock

- Heavily sprung for lever handles
- Center: 78mm
- 60mm backset (other backset available upon request)
- Deadbolt: Single turn
- Reversible latch
- Forend: Round or rectangle, stainless steel
- Certified to EN12209:2003/AC2005
- EN Classification: 5C510F4H110

Standard Finishes:
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Mortise Security Cylinder Lockcase

- Heavily sprung for lever handles
- Center: 72mm
- 60mm backset (other backset available upon request)
- Deadbolt: 22mm single throw
- Reversible latch
- Forend: 4mm Round or rectangle, stainless steel
- Lever follower: 8 x 8mm
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HA10

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
Locking Devices

Mortise Cylinder Night Latch

Outside function:
Fixed knob or pull, latch bolt retracted by turning the key.

Inside function:
Latch bolt operated by lever handle or turning the key.

- Heavily Sprung for lever handles
- Center: 72mm
- 60mm backset (other backset available upon request)
- Dead locking Reversible Latch with auxiliary pin
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8 mm
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HA1D

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

Require single side spindle
Finish: Galvanized steel
Mortise Cylinder Night Latch

**Outside function:**
Fixed knob or pull, latch bolt retracted by turning the key.

**Inside function:**
Latch bolt operated by lever handle or turning the key.

- Heavily sprung for lever handles
- Center: 72mm
- 60mm backset (other backset available upon request)
- Reversible latch
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8mm
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HA10

**Standard Finishes:**
- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

Require single side spindle
Finish: Galvanized steel
Panic Exit Cylinder Lock

Outside Function:
Fixed knob or pull, key operate latch and deadbolt

Inside Function:
Lever handle withdraw latch and deadbolt simultaneously.
Key operate deadbolt.

- Heavily sprung for lever handles
- Reversible latch
- Center: 72mm
- 60mm backset (other backset available upon request)
- Forend: Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HC10

Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.

Require single side spindle
Finish: Galvanized steel

88.107
Panic Exit Cylinder Deadlock

Outside Function:
Fixed knob or pull, key operate deadbolt

Inside Function:
Lever handle withdraw deadbolt. Key operate deadbolt.

- Center: 72mm
- 60mm backset (other backset available upon request)
- Forend: Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 3CS10F4HC10

Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.

Require single side spindle
Finish: Galvanized steel

88.107D
Locking Devices

Panic Exit Cylinder Lock with Dead Locking Latch

**Outside Function:**
Fixed knob or pull, key operate latch and deadbolt

**Inside Function:**
Lever handle withdraw latch and deadbolt simultaneously. Key operate deadbolt.

- Heavily sprung for lever handles
- Dead locking latch bolt with auxiliary pin
- Center : 72mm
- 60mm backset (other backset available upon request)
- Forend : Round or rectangle, stainless steel
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4H10

**Standard Finishes:**

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

**Require single side spindle**
Finish : Galvanized steel

**EN 12209:2003/AC 2005**

88.108

99.003.007
Panic Exit Cylinder Lock

Outside Function:
Lever handle operate latch and key operate dead bolt.

Inside Function:
Lever handle withdraw latch and deadbolt simultaneously. Key operate deadbolt.

- Heavily sprung for lever handles
- Center: 72mm
- 60mm backset (other backset available upon request)
- Dead locking reversible latch with auxiliary pin
- Handed (Specify Right Hand/Left Hand)
- Forend: Round or rectangle, stainless steel
- Split lever followers with 6.5mm dividing aperture
- Bolt through fixing holes at 38mm for the lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 31C5104HC10

Standard Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel
059 Polished Brass
078 Antique Brass

Other finishes upon request.

Require split spindle
Finish: Galvanized steel

0407-CPR-1004

EN 12209:2003/AC 2005

88.109R - Right hand
88.109L - Left hand

89.004.007
Locking Devices

Mortise Cylinder Classroom Lock

Outside Function:
Latch bolt retracted by lever except when outside lever is blocked by turning key.

Inside Function:
Latch bolt operated by lever handle or turning the key.

- Heavily sprung for lever handles
- Center: 72 mm
- 60mm backset (other backset available upon request)
- Dead locking handed latch with auxiliary pin
- Split follower with 6.5mm aperture
- Forend: Round or rectangle, stainless steel
- Spindle: Split 8 x 8 mm
- Bolt through fixing holes at 38mm for lever rosette and escutcheons
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4HA10

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.

88.110 R - Right Hand
88.110 L - Left Hand

Require split spindle
Finish: Galvanized steel

99.004.007
Locking Devices

Mortise Cylinder Lockcase

- Heavily sprung for lever handles
- Center : 85 mm
- 55 mm backset (other backset available upon request)
- Deadbolt : 2 turn
- Reversible latch
- Forend : Round or rectangle, stainless steel
- Lever follower : 8 x 8 mm

Standard Finishes:

059 Polished Brass
078 Antique Brass

Other finishes upon request.
Locking Devices

Mortise Cylinder Lockcase with reinforced three sectional Deadbolts

- Heavily sprung for lever handles
- Center: 72mm
- 60mm backset (other backset available upon request)
- Deadbolt: 3 reinforced sectional bolts, two turn
- Reversible latch
- Forend: Round or rectangle, stainless steel
- Lever follower: 8 x 8mm
- Certified to EN12209:2003/AC2005
- EN Classification: 3C510F4H|C10

Standard Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 059 Polished Brass
- 078 Antique Brass

Other finishes upon request.
CYLINDERS
Range of quality cylinders. These cylinders offer a high degree of security and effectively protect the property in which they are used.

- Extruded solid brass body. Plug and mushroom anti-pick pins.
- Self lubricating cam from sintered steel.
- Springs made from special treated bronze for lasting tension.
- Supplied with 5 pins as standard.
- Available with 6 pins on request.
- All Cylinders supplied with 3 keys.
- Option of master keying systems to suit customer’s requirements.
- Complies with DIN 18254.

88.500 Double Cylinder
Standard size 60 mm
Other lengths to order in 5 mm increments.

88.501 Knob Cylinder
Standard size 60 mm
Other lengths to order in 5 mm increments.

88.502 Single Cylinder
Standard size 45mm
Other lengths to order in 5 mm increments.

88.503 Privacy Cylinder
Standard size 60mm & 70mm

88.504 Single Knob Cylinder

Padlocks
with hardened shackle
Shackle height 28mm - 88.507A
Shackle height 48mm - 88.507B
Shackle height 64mm - 88.507C
Shackle height 90mm - 88.507D

88.505 Rim Cylinder

WEATHER PROTECTION COVERS
For protection of cylinders exposed to dust/rain

88.901A
ABS Plastic - Metalized Chrome Bright

88.901B
**HIGH SECURITY SYSTEM**

- Can be used in all SAP locking cylinders.
- Copying of key blank is nearly made impossible by extremely complicated profile.
- Sensing or pick-up devices become useless due to the bent shape of the profile groove.
- A specially coded rib is sensed by the blocking ball and will block the lock in case of even the slightest deviation.
- Optimum utilisation of the 14mm core diameter provides greater useful width for wards of key bit (A>B).
- Anti-drilling safeguard provided as regular feature for all cylinders.

To order high security V14 system, add V to the code of cylinder type required.

**HIGH SECURITY KITE MARK CYLINDER**

- Wear resistant design
- Fire resistant
- Corrosion resistant
- Non duplicable keys

**KEYING SYSTEM**

Cylinders can be supplied with various keying systems i.e.

- Central keying system for properties with common entrances.
- Master keying system.
- Grand master keying system.
- Great grand master keying system.

**Protection against**

- Drilling
- Snapping
- Picking

**Grand master keying system**

Central locking system

Master keying system

Grand Master keys

Common Entrance Door

Master keys

Master keys

Master keys

Tenants keys

Individual keys

Individual keys
The illustration given below is the nomenclature to determine handing of the fittings shown in this catalogue. We also give the ISO R1226 recommendation based on the closing direction together with a numerical symbol for the same.

Tip

View the door from the side on which hinge knuckle is visible. If the hinges are mounted on the left hand side of the door, the door is said to be left hand. Conversely if the hinges are mounted on the right hand side of the door, it is designated right hand.
Functions

Controlled Closing
Hydraulic control is accepted as the best means of controlling the closing speed of a mechanically operated door closer. The closing speed is controlled by regulating the return flow of oil with a control screw or similar device. A typical closing speed would be 5-7 seconds from 90° open.

Latching
Apart from the obvious need to close the door, it is important that the speed closing should ensure on the one hand that the door does not slam, and on the other, that it closes positively. The latching action accelerates closure through the last few degrees to overcome the resistance of a latch or seal.

Backcheck
The purpose of this function is to prevent the door leaf being thrown, kicked or, for external doors, blown wide open in such a manner that it damages the door leaf, door frame or adjoining walls and furniture. It is achieved by incorporating a hydraulic buffer within the door closer mechanism. The backcheck can be set to operate at a variable angle or variable resistance, or both.

Delayed closing
The delayed closing function allows the door leaf to remain open, for an adjustable period of time, before closing. It is used on doors frequently used by the elderly or handicapped or where trolleys and bulky goods are constantly being moved through a doorway. This function operates from 180° down to 70°. Typical delay periods of 20 seconds may be obtained between 90°-70°.

Mechanical hold open
This device allows the door to remain open at a pre-determined angle, usually 90°, with the same effect as a wedge under the door. It is normally achieved by incorporating a roller and cam mechanism into the armset. However it can be released only by hand. Mechanical hold open function should not be used on fire-resistant doors, because the door will remain open, if a fire should break-out.

DEVON offers a choice of Architectural door closers available with a high quality, design and finish. DEVON hydraulic door closers and floor springs have successfully tested to the requirement of BS EN 1154 including for fire doors up to 240 minutes.

The choice of a complete suited product ranges from basic size 2/4, selectable to 2-5 with adjustable backcheck and delayed action. The body construction is made from extruded aluminum which gives the best starting point for bore roundness for the piston to operate for high efficiency and long working life.

DEVON Floor spring, constructed from cast iron with taper roller bearings, offer class leading load-bearing capacity for very large and heavy doors. DEVON’s unique floor spring guidance system ensures that when used in double action, the door always returns to the central position even after years of use, a critical feature for fire doors. DEVON floor springs range offers load bearing capacity from standard 115 kg to 600 kg, the most heavy duty floor spring in the industry!
Door Controls

**FIRE DOORS**

We referred above to fire door assemblies which will require self closing devices. BS EN 1154 makes recommendations as to the closing forces considered necessary for such devices fitted to fire doors.

- a. The door closer, when installed in accordance with the manufacturer’s installation instructions, shall be capable of closing the test door from any angle to which it may be opened.
- b. Due to their low closing moments, door closers size 1 and 2 are not considered suitable for use on fire/smoke door assemblies. Door closers with adjustable closing force should be capable of adjustment to at least power size 3.
- c. The door closer should not include a hold open device unless it is an electrically powered device in accordance with EN 1155.
- d. Control regulators should be either concealed or operable only by means of a tool.
- e. The design of a door closer should be such that it is not possible to inhibit its closing action in any way without the use of a tool.
- f. Any incorporated delayed action function should be capable of adjustment to less than 25 seconds between the door closing angles of 120° and the end of the delay zone.
- g. The door closer representative of its model should have been incorporated in a door assembly that has satisfied the appropriate criteria of a fire test. The test should have been on a full sized assembly in accordance with EN 1634-1.

---

### Door mass/size

Seven door mass/size grades and related door closer power sizes are identified according to BSEN 1154. Where a door closer provides a range of power sizes, both the minimum and the maximum sizes should be identified.

#### Size Selection Chart-BSEN 1154

<table>
<thead>
<tr>
<th>Door Closer Power Size</th>
<th>Test door mass kg</th>
<th>Recommended door leaf width Max. mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>20</td>
<td>750</td>
</tr>
<tr>
<td>2</td>
<td>40</td>
<td>850</td>
</tr>
<tr>
<td>3</td>
<td>60</td>
<td>950</td>
</tr>
<tr>
<td>4</td>
<td>80</td>
<td>1100</td>
</tr>
<tr>
<td>5</td>
<td>100</td>
<td>1250</td>
</tr>
<tr>
<td>6</td>
<td>120</td>
<td>1400</td>
</tr>
<tr>
<td>7</td>
<td>160</td>
<td>1600</td>
</tr>
</tbody>
</table>

**Note:**
The door widths given are for standard installations. In the case of unusually high or heavy doors, windy or draughty conditions, or special installations, a larger power size of door closer should be used.
**Overhead Door Closer**

Adjustable Spring Power 2-5

<table>
<thead>
<tr>
<th>Variable closing force</th>
<th>Spring strength (EN)</th>
<th>2 to 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>850mm 45kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>950mm 60kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>1100mm 80kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>1250mm 110kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Body dimension</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length 236</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Width 54</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Thick 38</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Arm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Standard</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Parallel optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track (standard) optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track (hold-open) optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rack and pinion</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power adjustable by spring</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power shoe arm bracket</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Angle of opening 180°</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Sweep speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hold-open arm optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Back-check Adjustable by Valve</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delayed action adjustable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-handed ✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With cover optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Application Regular(1)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Parallel arm (66) optional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transom (61)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Guarantee/years 20 years</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

✓ = yes

Guarantee
A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

Power shoe arm bracket
Designed to be reversed to increase final closing power by approximately 15%

Back check
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

Delayed action
Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

Standard Finishes:
086 Satin Stainless Steel
021 Silver Anodized
101 PVD
Other finishes available upon request

**EN CLOSER**

Tested to EN 482 113
by Warrington APT Laboratories, UK.
Power adjustable by spring
EN Fire Tested Report No. 140220
Fire tested upto 4 hours

**BSEN1154**

FM 60396
INTERNATIONAL STANDARDS
This product is manufactured under a quality management system ISO 9001.
Overhead Door Closer
Adjustable Power 2-4 (by Position)

**DATA AND FEATURES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable closing force</td>
<td>EN</td>
</tr>
<tr>
<td>Spring strength (EN)</td>
<td>2 to 4</td>
</tr>
<tr>
<td>Standard doors</td>
<td></td>
</tr>
<tr>
<td>Length (mm)</td>
<td>850</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>45</td>
</tr>
<tr>
<td>Projection (mm)</td>
<td>950</td>
</tr>
<tr>
<td></td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>1100</td>
</tr>
<tr>
<td></td>
<td>80</td>
</tr>
<tr>
<td>Body dimensions (mm)</td>
<td></td>
</tr>
<tr>
<td>Length (mm)</td>
<td>227</td>
</tr>
<tr>
<td>Height (mm)</td>
<td>60</td>
</tr>
<tr>
<td>Projection (mm)</td>
<td>39</td>
</tr>
<tr>
<td>Arm</td>
<td>Standard</td>
</tr>
<tr>
<td></td>
<td>Parallel</td>
</tr>
<tr>
<td>Track (standard)</td>
<td>optional</td>
</tr>
<tr>
<td>Track (hold-open)</td>
<td>optional</td>
</tr>
<tr>
<td>Rack and pinion</td>
<td>yes</td>
</tr>
<tr>
<td>Power shoe arm bracket</td>
<td>yes</td>
</tr>
<tr>
<td>Angle of opening</td>
<td>180º</td>
</tr>
<tr>
<td>Power adjustable by position</td>
<td>yes</td>
</tr>
<tr>
<td>Sweep speed adjustable</td>
<td>yes</td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td>yes</td>
</tr>
<tr>
<td>Hold open arm</td>
<td>optional</td>
</tr>
<tr>
<td>Back-check</td>
<td>Self-regulating</td>
</tr>
<tr>
<td></td>
<td>Adjustable by Valve</td>
</tr>
<tr>
<td>Delayed action adjustable</td>
<td>optional</td>
</tr>
<tr>
<td>Non-handed</td>
<td>yes</td>
</tr>
<tr>
<td>With cover</td>
<td>yes</td>
</tr>
<tr>
<td>Application</td>
<td>Regular (1)</td>
</tr>
<tr>
<td></td>
<td>Parallel arm (66)</td>
</tr>
<tr>
<td></td>
<td>Transom (61)</td>
</tr>
<tr>
<td>Guarantee/years</td>
<td>10 years</td>
</tr>
<tr>
<td>= yes</td>
<td></td>
</tr>
<tr>
<td>Guarantee</td>
<td>A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.</td>
</tr>
<tr>
<td>Power shoe arm bracket</td>
<td>Designed to be reversed to increase final closing power by approximately 15%</td>
</tr>
<tr>
<td>Back check</td>
<td>Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.</td>
</tr>
<tr>
<td>Delayed action</td>
<td>Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.</td>
</tr>
</tbody>
</table>

**Standard Finishes:**

- **086** Satin Stainless Steel
- **087** Polished Stainless Steel
- **021** Silver Anodized
- **101** PVD

Other finishes available upon request

---

**EN CLOSER**

Tested to EN 1154

by Warrington APT Laboratories, UK.

Power adjustable # 2 to # 4 by position
EN Fire Tested Report No. 140220.
Successfully included in fire door test to BS 476 : Part 22 upto 120 minutes
chilt / RF 06060

**FM 60396**

INTERNATIONAL STANDARDS

This product is manufactured under a quality management system ISO 9001.
OVERHEAD CAM ACTION
Door Closer

Tested to EN 1154 483113
by Warrington APT Laboratories, UK

86.314

DATA AND FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable closing force</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring Strength (EN)</td>
<td>2 to 4</td>
<td></td>
</tr>
<tr>
<td>Standard doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;850mm ≤40kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>&lt;950mm ≤60kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>&lt;1100mm ≤80kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Body dimensions (mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>210</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>53.5</td>
<td></td>
</tr>
<tr>
<td>Thick</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Arm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track (standard)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Track (hold-open)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Angle of opening</td>
<td>120°</td>
<td></td>
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<tr>
<td>Power adjustable by spring</td>
<td>✓</td>
<td></td>
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<tr>
<td>Sweep speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Non-handed</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Application</td>
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<td></td>
</tr>
<tr>
<td>Regular (1)</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>Transom (61)</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>Guarantee /years</td>
<td>10 years</td>
<td></td>
</tr>
</tbody>
</table>

✓ = yes  O = option

GUARANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

BACK CHECK:
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:
002 Silver Sprayed
011 Gold Sprayed
017 Dark Brown Sprayed
086 Satin Stainless Steel
087 Polish Stainless Steel
Other finishes upon request.
Overhead Door Closer

DATA AND FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable closing force</td>
<td>2 to 4</td>
</tr>
<tr>
<td>Spring strength (EN)</td>
<td>2 to 4</td>
</tr>
<tr>
<td>Standard doors</td>
<td></td>
</tr>
<tr>
<td>850mm 45kg</td>
<td>✓</td>
</tr>
<tr>
<td>950mm 60kg</td>
<td>✓</td>
</tr>
<tr>
<td>1100mm 80kg</td>
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<td>Body dimensions (mm)</td>
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<td>Length</td>
<td>210</td>
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<tr>
<td>Height</td>
<td>48</td>
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<td>Projection</td>
<td>45</td>
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<tr>
<td>Arm</td>
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<tr>
<td>Parallel</td>
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</tr>
<tr>
<td>Track (standard)</td>
<td>optional</td>
</tr>
<tr>
<td>Track (hold-open)</td>
<td>optional</td>
</tr>
<tr>
<td>Rack and pinion</td>
<td>✓</td>
</tr>
<tr>
<td>Power shoe arm bracket</td>
<td>✓</td>
</tr>
<tr>
<td>Angle of opening</td>
<td>110°</td>
</tr>
<tr>
<td>Power adjustable by position</td>
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</tr>
<tr>
<td>Sweep speed adjustable</td>
<td>✓</td>
</tr>
<tr>
<td>Latching speed adjustable</td>
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</tr>
<tr>
<td>Hold-open</td>
<td></td>
</tr>
<tr>
<td>Built in</td>
<td>optional</td>
</tr>
<tr>
<td>Back-check</td>
<td>Self-regulating optional</td>
</tr>
<tr>
<td>Non-handed</td>
<td>✓</td>
</tr>
<tr>
<td>With cover</td>
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<tr>
<td>Application</td>
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<td>Regular (1)</td>
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<tr>
<td>Parallel arm (66)</td>
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</tr>
<tr>
<td>Transom (61)</td>
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</tr>
<tr>
<td>Guarantee/years</td>
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</table>

Guarantee: A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

Power shoe arm bracket: Designed to be reversed to increase final closing power by approximately 15%.

Back check: Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

Standard Finishes:

- 021 Silver Anodized
- 026 Dark Bronze Anodized
- 024 Gold Anodized

Other finishes available upon request.

Guarantee A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

Power shoe arm bracket Designed to be reversed to increase final closing power by approximately 15%

Back check Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

Standard Finishes:

- 021 Silver Anodized
- 026 Dark Bronze Anodized
- 024 Gold Anodized

Other finishes available upon request
DATA AND FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Option</th>
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<tr>
<td>Variable closing force</td>
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<td>60kg</td>
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<tr>
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</tr>
<tr>
<td></td>
<td>Parallel</td>
<td>O</td>
</tr>
<tr>
<td></td>
<td>Track (standard)</td>
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<td>Track (hold-open)</td>
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</tr>
<tr>
<td>Rack and pinion</td>
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<td></td>
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<tr>
<td>Power shoe arm bracket</td>
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<td></td>
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<tr>
<td>Angle of opening</td>
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<td></td>
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<tr>
<td>Power adjustable by position</td>
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</tr>
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<td>Sweep speed adjustable</td>
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</tr>
<tr>
<td>Latching speed adjustable</td>
<td></td>
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<td>Hold open arm</td>
<td>O</td>
</tr>
<tr>
<td>Delayed action adjustable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-handed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With cover</td>
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<td></td>
</tr>
<tr>
<td>Application</td>
<td>Regular (1)</td>
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<tr>
<td></td>
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<td></td>
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<td>Guarantee/years</td>
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✓ = yes  O = option

GUARANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

POWER SHOE ARM BRACKET:
Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

Standard Finishes:
002 Silver Sprayed
011 Gold Sprayed
017 Dark Brown Sprayed
Other finishes upon request.
Door Controls

DATA AND FEATURES

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<td>&lt;1100mm</td>
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<td>Body dimensions(mm)</td>
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<td></td>
<td>Track (hold-open)</td>
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</tr>
<tr>
<td>Rack and pinion</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Power shoe arm bracket</td>
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<td></td>
</tr>
<tr>
<td>Angle of opening</td>
<td>180°</td>
<td></td>
</tr>
<tr>
<td>Power adjustable by position</td>
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<td>O</td>
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<td>Hold open arm</td>
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<tr>
<td>Application</td>
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<td></td>
<td>Parallel arm (66)</td>
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<td>Guarantee/years</td>
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✓ = yes  O = option

GUARANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

POWER SHOE ARM BRACKET:
Designed to be reversed to increase final closing power by approximately 15%.

BACK CHECK:
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

Standard Finishes:
002 Silver Sprayed
011 Gold Sprayed
017 Dark Brown Sprayed
Other finishes upon request.
**Overhead Door Closer**

Adjustable Power 2-4 (by Position)

**DATA AND FEATURES**

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<th>Feature</th>
<th>Specification</th>
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<tr>
<td>Variable closing force</td>
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<td>Standard doors</td>
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<td>≤850mm</td>
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<td>≤80kg ✓</td>
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<tr>
<td>≤1250mm</td>
<td>≤100kg ×</td>
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<td>Body dimensions (mm)</td>
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<td>Length</td>
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<td>Height</td>
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<td>Projection</td>
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<tr>
<td>Power shoe arm bracket</td>
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</tr>
<tr>
<td>Angle of opening</td>
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</tr>
<tr>
<td>Power adjustable by Spring</td>
<td>×</td>
</tr>
<tr>
<td>Power adjustable by position</td>
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</tr>
<tr>
<td>Sweep speed adjustable</td>
<td>✓</td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td>✓</td>
</tr>
<tr>
<td>Hold-open</td>
<td></td>
</tr>
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<td>Built in</td>
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<td>Hold open arm</td>
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<td>Back-check</td>
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<td>Self-regulating</td>
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<td>Adjustable at Valve</td>
<td>×</td>
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<td>Delayed action adjustable</td>
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<tr>
<td>Non-handed</td>
<td>✓</td>
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<tr>
<td>With cover</td>
<td></td>
</tr>
<tr>
<td>Application</td>
<td></td>
</tr>
<tr>
<td>Regular(1)</td>
<td>✓</td>
</tr>
<tr>
<td>Parallel arm (66)</td>
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</tr>
<tr>
<td>Transom (61)</td>
<td>✓</td>
</tr>
<tr>
<td>Guarantee/years</td>
<td>5 years</td>
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</table>

**Guarantee**

A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

**Power shoe arm bracket**

Designed to be reversed to increase final closing power by approximately 15%

**Back check**

Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

**Standard Finishes:**

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<thead>
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<th>Finish Code</th>
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<tr>
<td>087</td>
<td>Polished Stainless Steel</td>
</tr>
<tr>
<td>021</td>
<td>Silver Anodized</td>
</tr>
<tr>
<td>101</td>
<td>PVD</td>
</tr>
</tbody>
</table>

Other finishes available upon request.

**Guarantee A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.**
ELECTRO-MAGNETIC DOOR CLOSERS WITH MAGNETIC ADJUSTABLE ARM, AVAILABLE WITH A CHOICE OF 3 DIFFERENT SLIDE COVERS

The Devon E-mag range is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. These door closers offer hold open fixed power size 4 which, when fitted, allows the door to be opened with no resistance (Free Swing) from the door closer. However, when the buildings fire alarm is activated, power is cut to the unit and the closer then shuts the door.

All the Devon of E-mags are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

The door closer offers the choice of three different slider covers, each with a matching adjustable arm and the unique cam and roller action, and both have a plug in power loop for ease of fitting. Longer power loops are available as an optional extra.

All closers offer universal fitting and are supplied with brackets for fig 1, fig 61 and fig 66 fixing.

<table>
<thead>
<tr>
<th>DATA AND FEATURES</th>
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<tbody>
<tr>
<td>Closing force</td>
<td>EN Size 4</td>
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<td>Door size(Max)</td>
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<tr>
<td>Weight (KG)</td>
<td>60</td>
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<td>Application</td>
<td>Fig 1 ✓</td>
</tr>
<tr>
<td></td>
<td>Fig 6 ✓</td>
</tr>
<tr>
<td></td>
<td>Fig 66 ✓</td>
</tr>
<tr>
<td>Mechanism</td>
<td>Rack &amp; Pinion x</td>
</tr>
<tr>
<td></td>
<td>Cam &amp; Roller ✓</td>
</tr>
<tr>
<td>With cover</td>
<td>x</td>
</tr>
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<td>Power shoe bracket</td>
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</tr>
<tr>
<td>Angle of opening</td>
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<tr>
<td>Non handed</td>
<td>✓</td>
</tr>
<tr>
<td>Power adjustment</td>
<td>By spring x</td>
</tr>
<tr>
<td></td>
<td>By template x</td>
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<tr>
<td>Adjustable sweep speed</td>
<td>✓</td>
</tr>
<tr>
<td>Adjustable latching speed</td>
<td>✓</td>
</tr>
<tr>
<td>Adjustable backcheck</td>
<td>x</td>
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<tr>
<td>Adjustable delayed action</td>
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<td>Options</td>
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<tr>
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<td>E ✓</td>
</tr>
<tr>
<td></td>
<td>B ✓</td>
</tr>
<tr>
<td></td>
<td>L ✓</td>
</tr>
<tr>
<td>Cover</td>
<td>Radius x</td>
</tr>
<tr>
<td></td>
<td>Square x</td>
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<tr>
<td>Extended loop</td>
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<tr>
<td>Finishes</td>
<td>Silver, PAL, PAA, SAA, SS, PS</td>
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</tbody>
</table>

GURANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

POWER SHOE ARM BRACKET:
Designed to be reversed to increase final closing power by approximately 15%.

STANDARD FINISHES:
002 Silver Sprayed
011 Gold Sprayed
017 Dark Brown Sprayed
Other finishes upon request.
The Devon E-mag range is suitable for use where no opening force is required, such as care homes, hospitals or where the Equality Act is a consideration. The closer offer a hold open fixed power size 4 which, when fitted in swing free mode, allows the door to be opened with no resistance from the closer. However, when the building's fire alarm is activated, power is cut to the unit and the closer then shuts the door.

The Devon E-mag closers are supplied with an adaptor which allows easy conversion from hold open to swing free mode.

Both options offer the choice of either a radius or square cover with matching adjustable arms, each utilising the unique high efficiency cam and roller action, and both have a plug-in power loop for ease of fitting. Longer power loops are available as an optional extra. All closers offer universal fitting and are supplied with brackets for fig 1, fig 61 and fig 66 fixing.

### DATA AND FEATURES

| Closing force | EN Size | 4 |
| Door size(Max) | Width (mm) | 1100 |
| Weight (KG) | 60 |
| Application | Fig 1 ✓ |
| | Fig 6 ✓ |
| | Fig 66 ✓ |
| Mechanism | Rack & Pinion × |
| | Cam & Roller ✓ |
| With cover | ✓ |
| Power shoe bracket | ✓ |
| Angle of opening | 160° |
| Non handed | ✓ |
| Power adjustment | By spring × |
| | By template × |
| Adjustable sweep speed | ✓ |
| Adjustable latching speed | ✓ |
| Adjustable backcheck | × |
| Adjustable delayed action | × |
| Dual power | × |
| CE Marked | ✓ |
| Certifire approved | ✓ |
| Guarantee | 2 years |

### OPTIONS

- Slide covers: E ✓ B × L ×
- Cover: Radius ✓ Square ×
- Extended loop: 650mm ✓
- Finishes: Silver, PAL, PAA, SAA, SS, PS

### GUARANTEE:

A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

### STANDARD FINISHES:

- 002 Silver Sprayed
- 011 Gold Sprayed
- 017 Dark Brown Sprayed

Other finishes upon request.
**Overhead Concealed Door Closer**
Adjustable Spring Power 2-5

---

**DATA AND FEATURES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Variable closing force</td>
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<td>Arm</td>
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<td>Track (standard)</td>
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<tr>
<td>Track (hold-open)</td>
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<tr>
<td>Rack and pinion</td>
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<tr>
<td>Angle of opening</td>
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<tr>
<td>Power adjustable by spring</td>
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<tr>
<td>Sweep speed adjustable</td>
<td>✓</td>
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<td>Latching speed adjustable</td>
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<td>Hold-open</td>
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<tr>
<td>Without hold-open</td>
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<tr>
<td>Hold-open track arm</td>
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<td>Back-check</td>
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<td>Adjustable by Valve</td>
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<tr>
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</tr>
<tr>
<td>Guarantee/years</td>
<td>10 years</td>
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</table>

✓ = yes

**Guarantee**
A free replacement ex-works of any closer proved defective by reason either of faulty manufacture or defect in materials.

**Power shoe arm bracket**
Designed to be reversed to increase final closing power by approximately 15%

**Back check**
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

**Delayed action**
Provides prolonged closing time to assist passage of trolleys, wheel chairs, elderly people etc.

**Standard Finishes:**

- 062 Satin Nickel
- 063 Polished Chrome
- 021 Silver Anodized
- 101 PVD

Other finishes available upon request
Overhead Concealed Door Closer
with track arm - Spring Power 3

DATA AND FEATURES

<table>
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<tr>
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<td>Width 56</td>
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<td>Track (hold-open)</td>
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<td>Rack and pinion</td>
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<td>Guarantee/years</td>
<td>10 years</td>
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Guarantee = yes

A free replacement ex-works of any closer proved defective by reason of faulty manufacture or defect in materials.

Standard Finishes:

- 062 Satin Nickel
- 063 Polished Chrome
- 021 Silver Anodized
- 101 PVD

Other finishes available upon request.
**CAM ACTION**
Concealed Door Closer

Tested to EN 1154 483113
by Warrington APT Laboratories, UK

---

**DATA AND FEATURES**

<table>
<thead>
<tr>
<th>Feature</th>
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<td>Spring Strength (EN)</td>
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<td>Standard doors</td>
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<td>&lt;850mm</td>
<td>&lt;40kg</td>
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<td>&lt;950mm</td>
<td>&lt;60kg</td>
<td>✓</td>
</tr>
<tr>
<td>&lt;1100mm</td>
<td>&lt;80kg</td>
<td>✓</td>
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<tr>
<td>Width</td>
<td>53.5</td>
<td></td>
</tr>
<tr>
<td>Thick</td>
<td>32</td>
<td></td>
</tr>
<tr>
<td>Arm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Track (standard)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Track (hold-open)</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Double action</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Angle of opening</td>
<td>120°</td>
<td></td>
</tr>
<tr>
<td>Power adjustable by spring</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Sweep speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Non-handed</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Guarantee /years</td>
<td>10 years</td>
<td>✓</td>
</tr>
</tbody>
</table>

✓ = yes  O = option

---

**GUARANTEE:**
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**BACK CHECK:**
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

---

**STANDARD FINISHES:**

- 002 Silver Sprayed
- 011 Gold Sprayed
- 017 Dark Brown Sprayed

Other finishes upon request.
CAM ACTION
Concealed Door Closer

Tested to EN 1154 3 8 5 1 1 3
by Warrington APT Laboratories, UK

DATA AND FEATURES

<table>
<thead>
<tr>
<th>Variable closing force</th>
<th>Spring Strength (EN)</th>
<th>2 to 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard doors</td>
<td>&lt;850mm &lt;40kg</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>&lt;950mm &lt;60kg</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>&lt;1100mm &lt;80kg</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>&lt;1250mm &lt;100kg</td>
<td>✓</td>
</tr>
<tr>
<td>Body dimensions(mm)</td>
<td>Length</td>
<td>212</td>
</tr>
<tr>
<td></td>
<td>Width</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Thick</td>
<td>40</td>
</tr>
<tr>
<td>Arm</td>
<td>Track (standard)</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Track (hold-open)</td>
<td>✓</td>
</tr>
<tr>
<td>Double action</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Angle of opening</td>
<td></td>
<td>120°</td>
</tr>
<tr>
<td>Power adjustable by spring</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Sweep speed adjustable</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Non-handed</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Application</td>
<td>Track arm</td>
<td>✓</td>
</tr>
<tr>
<td></td>
<td>Transom (61)</td>
<td>O</td>
</tr>
<tr>
<td>Guarantee /years</td>
<td></td>
<td>10 years</td>
</tr>
</tbody>
</table>

✓ = yes  O = option

GUARANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

BACK CHECK:
Provides a cushioning effect when the door is forcibly thrown open but does not serve as substitute for a door stop.

STANDARD FINISHES:
002 Silver Sprayed
011 Gold Sprayed
017 Dark Brown Sprayed
Other finishes upon request.
Adjustable Speed
Hydraulic Jamb Closer

Features
- Adjustable Speed
- Adjustable Latch
- Suitable for door up to 940 mm width
- Suitable for door up to 80 Kg weight
- BSEN 9001
- Tested to 500,000 Frequency

GUARANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

FINISH:
086 Satin Stainless Steel
**DATA AND FEATURES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable closing force</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spring Strength (EN)</td>
<td>2 to 4</td>
<td></td>
</tr>
<tr>
<td>Standard doors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>≤850mm ≤70kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>≤950mm ≤105kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>≤1100mm ≤150kg</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Body dimensions (mm)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length</td>
<td>276</td>
<td></td>
</tr>
<tr>
<td>Width</td>
<td>108</td>
<td></td>
</tr>
<tr>
<td>Thick</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Arm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Offset arm</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>Cam action</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Angle of opening</td>
<td>130°</td>
<td></td>
</tr>
<tr>
<td>Sweep speed adjustable</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Hold open</td>
<td></td>
<td></td>
</tr>
<tr>
<td>without hold-open</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>at 90° hold-open</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>at 105° hold-open</td>
<td>O</td>
<td></td>
</tr>
<tr>
<td>Non-handed</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Guarantee/years</td>
<td>5 years</td>
<td></td>
</tr>
</tbody>
</table>

✓ = yes  O = option

• *Supplied with Double Action Accessories as Standard.*

• *Offset Pivots or Single Action Accessories available as option at extra cost.*

**GUARANTEE:**
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**COVER PLATE FINISHES:**
- **086** Satin Stainless Steel
- **087** Polished Stainless Steel
Other finishes available upon request
FLOOR SPRING
For double action or single action application

FUNCTIONS

• Adjustable Closing: & Latching Speed.
• Two non-critical valves provide dual speed hydraulic closing (closing from 130° - 15°, latching from 15° - 0°)
• Maximum door opening angle of 130°.
• Built-in cushioned stop from approx. 85”.
• If adjacent structures interfere with maximum degree of door opening, an auxiliary doorstop should be installed.
• Mechanical hold-open at 90° (Optional at 150°)
• Body dimensions 306 mm long x 108 mm wide x 40 mm high.
• Closer mechanism adjustment in loose box for

<table>
<thead>
<tr>
<th>Length (mm)</th>
<th>Width (mm)</th>
<th>Height (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>10</td>
<td>4</td>
</tr>
</tbody>
</table>

Available in Light, Medium & Heavy closing force.

<table>
<thead>
<tr>
<th>Spring</th>
<th>Closing force max.</th>
<th>Door width</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light</td>
<td>20 Nm (14.8 ft - lbs)</td>
<td>850 mm (33.5&quot;)</td>
</tr>
<tr>
<td>Medium</td>
<td>27 Nm (13.7 ft - lbs)</td>
<td>950 mm (37.4&quot;)</td>
</tr>
<tr>
<td>Heavy</td>
<td>37 Nm (28 ft - lbs)</td>
<td>1100mm (43.3&quot;)</td>
</tr>
</tbody>
</table>

Note: 
• The listed door widths & recommended closer sizes are applicable to average conditions. In case of a tall heavy door or where doors are subject to wind or draft condition, the next larger closer size should be selected.

• Accommodates doors up to a maximum weight of 150 kgs.

Cover Plate Finishes:

- 086 Satin Stainless Steel
- 087 Polished Stainless Steel
- 101 PVD

Other finishes available upon request

CONSTRUCTION & TECHNICAL DETAILS

• One unit for both single & double action doors.
• High grade cast iron mechanism body is housed within a galvanized steel loose box which is zinc protected & painted for corrosion resistance.
• Internal mechanism components utilizing heat-treated high alloy steels & ball bearing for optimum efficiency.
• Stable hydraulic fluid for any climatic operation & constant lubrication.
• Suitable for timber, metal & tempered glass doors.
• Built-in pressure relief valve protects the closer from rough use.
• Closer mechanism totally immersed in hydraulic fluid

WARRANTY

The Floor Spring is guaranteed for 10 years from date of manufacture against any defects in material or workmanship
Defective product will be replaced with new unit but no claims for damage incurred or work done thereon will be allowed.
This guarantee is void if the product has been subjected to misapplication or abuse.

Standard Package

Floor mounted door closer complete with flat-conical spindle, cement box, s/steel cover plate, double action pivots and fixing instructions.

Optional Accessories

• Single Action Pivots

Fire Tested to BS1634-1:2000 for 4 Hours by Exova Warrington-WF157438
FLOOR SPRING
For double action or single action application

- SUITABLE DOOR WEIGHT MAX. 300KG
- POWER ADJUSTABLE BY SPRING FROM #4–#6
- NARROW DESIGN
- SUITABLE DOOR WIDTH 1.10 M–1.45M
- 10 YEARS GUARANTEE

DATA AND FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Variable closing force</td>
<td>Spring Strength (EN)</td>
<td>4 to 6</td>
</tr>
<tr>
<td>Standard doors #4</td>
<td>&lt;1100mm &lt;300kg</td>
<td>950</td>
</tr>
<tr>
<td>Standard doors #5</td>
<td>&lt;1250mm &lt;300kg</td>
<td>950</td>
</tr>
<tr>
<td>Standard doors #6</td>
<td>&lt;1450mm &lt;300kg</td>
<td>950</td>
</tr>
<tr>
<td>Body dimensions (mm)</td>
<td>Length</td>
<td>323</td>
</tr>
<tr>
<td></td>
<td>Width</td>
<td>94</td>
</tr>
<tr>
<td></td>
<td>Thick</td>
<td>62</td>
</tr>
<tr>
<td>Arm</td>
<td>Standard</td>
<td>✓</td>
</tr>
<tr>
<td>Offset Arm</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>Cam action</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Angle of opening</td>
<td></td>
<td>150°</td>
</tr>
<tr>
<td>Power adjustable by spring from #4–#6</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Sweep speed adjustable</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Latching speed adjustable</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Hold-open</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>at 90° hole-open</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>at 105° hole-open</td>
<td></td>
<td>O</td>
</tr>
<tr>
<td>Non-handed</td>
<td></td>
<td>✓</td>
</tr>
<tr>
<td>Guarantee/years</td>
<td></td>
<td>10 years</td>
</tr>
</tbody>
</table>

= yes  O = option

- Supplied with Double Action Accessories as Standard.
- Offset Pivots or Single Action Accessories available as option at extra cost.

GUARANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

Cover Plate Finishes:
086 Satin Stainless Steel
087 Polished Stainless Steel
101 PVD
Other finishes available upon request
Heavy Duty Floor Springs
For double action or single action application

Maximum door weight
up to 600 Kg

- Tested to BS EN 1154.
- Adjustable power, EN sizes 1 - 4.
- 180° opening in either direction.
- Range of double & single action accessories.
- Variable intensity back check at 90°.
- Cast iron body.
- For doors up to 1400 mm wide & 600 kg. (double action)
- Ten year guarantee.

Ordering Codes

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, non hold open, suitable for doors up to 400 Kg.
86.260HD

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, hold open, suitable for doors up to 400 Kg.
86.260HDSO

Heavy duty floor spring, size Adj. 1 - 4, double action accessories, hold open, suitable for doors up to 600 Kg.
86.260XHD

Heavy duty floor spring, size Adj. 1 - 4, single action accessories, non hold open, suitable for doors up to 400 Kg.
86.260HDSA

Heavy duty floor spring, size Adj. 1 - 4, single action accessories, hold open, suitable for doors up to 400 Kg.
86.260HDSASO

Standard Finishes:
059 Polished Brass
086 Satin Stainless Steel
087 Polished Stainless Steel
ELECTRO-MAGNETIC FLOOR SPRING COMPLETE WITH FITTINGS

The Devon E-mag floor spring fits discretely into the floor, giving better resistance to interference and vandalism and is suitable for use where low opening forces are required, such as care homes, hospitals or where the Equality Act is a consideration. It is a fixed power size 4 which, when fitted, is in hold open/swing free mode, allowing the door to be opened with no resistance from the floor spring. However, when the buildings fire alarm is activated, power is cut to the floor spring and the unit then closes the door.

Available in both single and double action, the floor spring can be supplied complete, or mechanism only when being used as a replacement.
Optional extras include extra height spindles, 200° cam and gel infill for improved water resistance. The cover plate is available in a choice of three plated finishes.

DATA AND FEATURES

<table>
<thead>
<tr>
<th>Closing force</th>
<th>EN Size</th>
<th>Door size(Max)</th>
<th>Weight (KG)</th>
<th>Mechanism</th>
<th>Angle of opening</th>
<th>Non handed</th>
<th>Power adjustment</th>
<th>Action availability</th>
<th>Adjustable sweep speed</th>
<th>Backcheck</th>
<th>Heavy duty backcheck</th>
<th>Adjustable delayed action</th>
<th>Hold open</th>
<th>CE Marked</th>
<th>Certifire approved</th>
<th>Guarantee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Width (mm)</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1100</td>
<td></td>
<td></td>
<td>2 yrs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td></td>
<td>Rack and pinion</td>
<td>160°</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Options

- Single action accessories
- Double action accessories
- Spindle extensions
- 200° cam for single action doors requiring controlled closing from 180°
- Get infill for improved water resistance
- Mechanism & box only

Finishes

- SS, PS, PB

GURANTEE:
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

STANDARD FINISHES:

- 086 Stainless steel
- 087 Polished stainless steel
- 059 Polished brass

Other finishes upon request.


**Patch Floor Spring**

- Suitable door weight: Max 100kg
- Suitable door width: 750 ~ 1000mm
- Suitable door thickness: 8 ~ 13mm
- Ambient temperature: -20°C ~ +50°C
- Quick and easy installation
- Compliant with EN1154

**DATA AND FEATURES**

<table>
<thead>
<tr>
<th>Suitable door width</th>
<th>door weight</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>750 ~ 1000mm</td>
<td>≤100kg</td>
<td>✓</td>
</tr>
<tr>
<td>Body dimensions (mm)</td>
<td>Length</td>
<td>Width</td>
</tr>
<tr>
<td></td>
<td>186</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td>Thick</td>
<td>36</td>
</tr>
<tr>
<td>Angle of opening</td>
<td>150°</td>
<td></td>
</tr>
<tr>
<td>Closing speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Braking speed adjustable</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Hold open</td>
<td>Without hold-open</td>
<td>O</td>
</tr>
<tr>
<td>Hold open at 90°</td>
<td>Hold open at 90°</td>
<td>✓</td>
</tr>
<tr>
<td>Non-handed</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Guarantee/years</td>
<td>5 years</td>
<td></td>
</tr>
</tbody>
</table>

✓ = yes  
O = option

**GUARANTEE:**
A free replacement ex-works of any closer proved defective by reason either of faulty manufacturer or defect in materials.

**FINISH:**
- 086 Satin Stainless Steel
- 087 Polish Stainless Steel
Door Coordinator

- Closes the rebated door-leaves of double-leaf door-sets in correct sequence.
- Suitable for both left- and right-hung door-leaves.

Standard Finish:
086 Satin Stainless Steel

Door Coordinator

- Closes the rebated door-leaves of double-leaf door-sets in correct sequence.
- Soffit applied coordinator.
- Non-Handed for easy ordering and installation.
- Adjustable for various closing speeds and different door weights.
- Manufactured with an over-ride feature to prevent damage to doors and hinges.
- Engineered to function in high-frequency areas with minimum maintenance.
- Fillers are factory cut and supplied with the coordinator to extend the width of the frame.

Standard Finish:
021 Silver Anodized
Electromagnetic door holders

The function of an electromagnetic door holder is to hold open fire doors fitted with a standard door closer when linked to a fire alarm system. Electromagnet door holders release the door allowing it to close by door closer upon activation of fire alarm system.

### Wall Flush mounted electromagnetic door holder

- Voltage: 24V DC (12V DC optional)
- Power consumption: 60mA @ 24V DC
  125mA @ 12V DC
- Armature: Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

**Standard Finish:**

086 Satin Stainless Steel

### Wall surface mounted electromagnetic door holder

- Voltage: 24V DC (12V DC optional)
- Power consumption: 60mA @ 24V DC
  125mA @ 12V DC
- Armature: Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

**Standard Finish:**

086 Satin Stainless Steel

### Floor mounted electromagnetic door holder

- Voltage: 24V DC (12V DC optional)
- Power consumption: 60mA @ 24V DC
  125mA @ 12V DC
- Armature: Adjustable to suit door position.
- Push button to release the door manually.
- UL listed.

**Standard Finish:**

052 Black Powder Coated

### Wall mounted electromagnetic door holder

- Voltage: 24V DC (12V DC optional)
- Power consumption: 60mA @ 24V DC
  125mA @ 12V DC
- Armature: Adjustable to suit door position.
- Push button to release the door manually.

**Standard Finish:**

052 Black Powder Coated
The Panic exit hardware is designed to provide a means of escape at all times by the simple act of pushing a bar fitted across the full width of the door or depressing a pad attached at the operating body.

The panic hardware series carries the CE mark and that products have been tested and accessed independently to the very latest European standards EN 1125 and EN 179.
A choice of finishes

All exit devices and outside access devices are available in a wide range of finishes:

<table>
<thead>
<tr>
<th>Standard finishes:</th>
<th>Plated finishes available:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver (RAL 9022)</td>
<td>Stainless steel effect</td>
</tr>
<tr>
<td>Black</td>
<td>Brass effect</td>
</tr>
<tr>
<td>White</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Popular RAL colours available:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure white 9010</td>
</tr>
<tr>
<td>Ultra marine blue 5002</td>
</tr>
<tr>
<td>Ruby red 3003</td>
</tr>
<tr>
<td>Mint green 6029</td>
</tr>
<tr>
<td>Agate grey 7038</td>
</tr>
<tr>
<td>Traffic yellow 1023</td>
</tr>
<tr>
<td>Ivory 1014</td>
</tr>
<tr>
<td>Black green 6012</td>
</tr>
<tr>
<td>Jet black 9005</td>
</tr>
<tr>
<td>Gold</td>
</tr>
<tr>
<td>Olive brown 8008</td>
</tr>
<tr>
<td>Black green 6012</td>
</tr>
<tr>
<td>Anthracite grey 7016</td>
</tr>
<tr>
<td>Steel blue 5011</td>
</tr>
<tr>
<td>Fir green 6009</td>
</tr>
<tr>
<td>Traffic yellow 1023</td>
</tr>
<tr>
<td>Ivory 1014</td>
</tr>
<tr>
<td>Black green 6012</td>
</tr>
<tr>
<td>Anthracite grey 7016</td>
</tr>
<tr>
<td>Steel blue 5011</td>
</tr>
<tr>
<td>Fir green 6009</td>
</tr>
<tr>
<td>Black green 6012</td>
</tr>
<tr>
<td>Anthracite grey 7016</td>
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<td>Steel blue 5011</td>
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Exidor Ltd use epoxy powder coating for all painted surfaces to give a quality finish to our products, and offer silver, black or white as standard colours for the Exidor 200 and 300 series. Brass and stainless steel plated finishes are also available but are not recommended for external use or outside access devices. Exidor Ltd also offer a range of popular Hewi & RAL colours to match other ironmongery products that may be fitted. When ordering please suffix the product code with the Hewi or RAL number.

A choice of finishes

All exit devices and outside access devices are available in a wide range of finishes:
Rim Panic Bolt

The panic bolt is designed for single and double door application. Pressing the bar gives immediate exit in emergency situations.

- Two point Locking
- Fire rated for use on timber and steel doors
- Standard size suitable for door up to 1220mm wide and 2440mm high. Special sizes available on request.
- Non Handed
- Certifies to BS EN 1125:2008

Outside Access Devices

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder

Finishes:

- 002 Silver (RAL 9022) - Standard
- 086 Stainless Steel Plated
- 059 Brass plated

Other finishes available upon request

Options

- Adjustable shoots
- Steel door fixing
- Microswitch
- Exit Alarm
- Pullman latch kit
Rim Panic Latch

The panic latch is designed for single door application. Pressing the bar gives immediate exit in emergency situations.

- Single point Locking
- Fire rated for use on timber and steel doors
- Standard size suitable for doors up to 1220mm wide and 2440mm high. Special sizes available on request.
- Non-Handed
- Certifies to BS EN 1125:2008

Outside Access Devices

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder

Finishes:

- 002 Silver (RAL 9022) - Standard
- 086 Stainless Steel Plated
- 059 Brass plated

Other finishes available upon request

Options

- Steel door fixing
- Microswitch


Single Door High Security Exit Device

The device is a surface mounted panic bolt for outward opening single door applications. It is ideally suited to very high security applications, where panic escape is a consideration. Incorporated as standard is an automatic top trip mechanism. The main body is constructed from a mixture of steel and stainless steel, with steel being used for the internal components and bolts. There is also an anti-thrust mechanism in the bottom bolt and the latch bolt.

- Non-handed
- Surface mounted
- Adjustable top and bottom bolts
- 30mm bolt throw
- Anti-thrust latch bolt and bottom bolt to prevent physical attack
- Steel and timber door versions available

Outside Access Devices

- Give access by key when locked
- When unlocked door can be opened by lever
- Accept Euro profile cylinder

90.517

90.520.01  One point locking
90.520.02  Two point locking
90.520.03  Three point locking
90.520.04  Four point locking

Finishes:

- 002  Silver (RAL 9022) - Standard
- 086  Stainless Steel Plated
- 059  Brass plated

Other finishes available upon request

Features

- Non-handed
- Meets the dimensional requirements of BS8300 and approved Document "M" (Equality Act)
- Suitable for high security applications
- Surface mounted on the outside of the door using concealed machine screws
- Available with or without cylinder
- When ordered with the cylinder, three keys are supplied as standard
- Supplied as standard for doors up to 45mm thick
- Longer spindles available on request for door thicknesses over 45mm
Double Door High Security Exit Device

The device is for rebated double doors is a complete package offering high security and incorporates the new horizontal locking mechanism. This allows the unit to be certified to EN1125:2008 and it is suitable for double door applications where a high level of security is a consideration. The main body is constructed from a mixture of steel and stainless steel with steel being used for the internal components and bolts. There is also an anti-thrust mechanism in the latch bolt and the horizontal bolts, increasing the products resistance to attack.

- CE Marked
- Available in RAL 7016, stainless steel effect and solid stainless steel
- Non-handed
- Surface mounted
- Adjustable top and bottom bolts
- 30mm bolt throw
- Anti-thrust bottom bolts to prevent physical attack

Outside Access Devices

90.522.03
90.522.04
90.522.05
90.522.07

Three point locking
Four point locking
Five point locking
Seven point locking

Finishes:

002 Silver (RAL 9022) - Standard
086 Stainless Steel Plated
059 Brass plated

Other finishes available upon request

Features

- Non-handed
- Meets the dimensional requirements of BS8300 and approved Document "M" (Equality Act)
- Suitable for high security applications
- Surface mounted on the outside of the door using concealed machine screws
- Available with or without cylinder
- When ordered with the cylinder, three keys are supplied as standard
- Supplied as standard for doors up to 45mm thick
- Longer spindles available on request for door thicknesses over 45mm
Panic and Emergency Exit Hardware

Rim Touch Panic Latch

Features:
- Non-Handed
- Optional dogging
- Security Anti-thrust latch
- Fire rated to UL 10C
- Supplied in length 1045 mm
  Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thinness 50 mm.
  Optional extended spindle and bolts for thickness 50-105 mm

Finishes:
- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

UL Listed R38094
BHMA ANSI Grade 1
ANSI 156.3
UL305, UL10C

Optional outside access device
Rim Touch Panic Bolt

Features:
• Non-Handed
• Optional dogging
• Fire rated to UL 10C
• Supplied in length 1045 mm. Can be cut on site up to 610 mm to suit door width.
• Supplied to suit door thickness 50 mm. Optional extended spindle and bolts for door thickness 50-105 mm
• To suit door height 2133 mm
  Optional to suit door height 3200 mm

Finishes:
086 : Satin Stainless Steel
087 : Polished Stainless Steel
002 : Silver Painted Steel

90.204.04
UL Listed R38094
BHMA ANSI Grade 1
ANSI 156.3
UL305, UL10C

90.003.04 Optional outside access device
Rim Touch Panic Latch

Features:
- Non-handed
- Optional dogging
- Security Anti-thrust latch
- Fire rated to UL 10C
- Supplied in length 1045 mm
  Can be cut on site up to 610 mm to suit door width
- Supplied to suit door thickness 50 mm.
  Optional extended spindle and bolts for thickness 50-105 mm

Finishes:
- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

90.001.04 - UL Listed R38094
90.003.04 - BHMA ANSI Grade 1
90.003.04 - Optional outside access device

ANSI 156.3
UL305, UL10C
Rim Touch Panic Bolt

Features:
- Non-handed
- Optional dogging
- Fire rated to UL 10C
- Supplied in length 1045 mm
  Can be cut on site up to 610 mm to suit door width.
- Supplied to suit door thickness 50 mm.
  Optional extended spindle and bolts for door thickness 50-105 mm
- To suit door height 2133 mm
  Optional to suit door height 3200 mm

Finishes:
- 086 : Satin Stainless Steel
- 087 : Polished Stainless Steel
- 002 : Silver Painted Steel

UL Listed R38094
BHMA ANSI Grade 1
ANSI 156.3
UL305, UL10C

90.002.04

90.003.04 - Optional outside access device
Cabinet Handles and Knobs

Standard Finishes:
086 Satin Stainless Steel  
087 Polished Stainless Steel
Other finishes available upon request.
I - 1.0

**66.7001**

**Bottom Patch**
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes**:
- 086: Satin stainless steel
- 087: Polish stainless steel

![Bottom Patch Image](image-url)

**66.7002**

**Top Patch**
- Pivot hole diameter 10mm
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes**:
- 086: Satin stainless steel
- 087: Polish stainless steel

![Top Patch Image](image-url)

**66.7003**

**Transom patch fitting**
- Pivot hole diameter 10mm
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

**Finishes**:
- 086: Satin stainless steel
- 087: Polish stainless steel

![Transom Patch Image](image-url)
66.7004 Over Panel Patch For Wall Mounting
- With pivot pin 10mm diameter
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point 55/65mm
- Stainless Steel Grade 304

Finishers:
086 : Satin stainless steel
087 : Polish stainless steel

66.7005 Over Panel & Side Panel Patch
- With pivot pin 10mm diameter to suit OSSPF-2
- Interchangeable patch faces to keep bolt head on same side
- Adjustable pivot point of 55/65mm
- Stainless Steel Grade 304

Finishers:
085 : Satin stainless steel
087 : Polish stainless steel

66.7007 Over Panel Patch For Back To Back Doors
- With pivot pins of 10mm diameter
- Stainless Steel Grade 304

Finishers:
086 : Satin stainless steel
087 : Polish stainless steel
66.7008L  Over Panel Side Panel Connector With Fin
- To hold left handed fin
- Handing policy to be determined by looking from outside of the structure.
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

Finishes:
- 086: Satin stainless steel
- 087: Polish stainless steel

66.7008R  Over Panel Side Panel Connector With Fin
- To hold right handed fin
- Handing policy to be determined by looking from outside of the structure.
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

Finishes:
- 086: Satin stainless steel
- 087: Polish stainless steel

66.7009  Stainless Steel Patch Lock
- Reversible lock
- Provided with euro profile cylinde
- Perfect combination when used with stainless steel patch fitting
- Stainless Steel Grade 304

Finishes:
- 086: Satin stainless steel
- 087: Polish stainless steel
66.701  Side overhead patch pivot
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel

66.702  Side wall mounted overhead pivot
- With pivot pin of 10mm diameter
- Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel
66.2001 Bottom Patch

- Variable pivot point of 55 or 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small ‘L’ key

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel

66.2002 Top Patch

- Variable pivot point of 55 or 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small ‘L’ key

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel

66.2003 Over Panel Side Panel Connecting Patch

- Stainless Steel Gr.304 Covers as standard
- Covers secured with small ‘L’ key
- Pivot pin of 15mm diameter
- Adjustable pivot point 55/65mm

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel
### 66.2004 Standard transom patch fitting
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel

### 66.2005 Corner Patch Lock with Strike Plate
- With a euro profile cylinder and strike plate
- Dead bolt projection of 15mm (single throw)
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel

### 66.2006 Strike Box
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel
66.2008L Over Panel Side Panel Connector with Fin Fitting Left
- With pivot pin of 15mm diameter.
- Right handed Fin
- Handing to be determined by looking from outside of the structure
- The pivot point can be altered from 55mm to 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- For door hinged on right side with fin on the inside

**Finishes:**
- 086: Satin stainless steel
- 087: Polish stainless steel

66.2008H Over Panel Side Panel Connector with Fin Fitting Right
- With pivot pin of 15mm diameter.
- Left handed Fin
- Handing to be determined by looking from outside of the structure
- The pivot point can be altered from 55mm to 65mm
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key
- For door hinged on left side with fin on the inside

**Finishes:**
- 086: Satin stainless steel
- 087: Polish stainless steel

66.2009 Over Panel Connector for Back To Back Doors
- With pivot pins of 15mm diameter.
- Connecting fin with the over panel
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small 'L' key

**Finishes:**
- 086: Satin stainless steel
- 087: Polish stainless steel
Glass Door Patch Fittings

66.2010 Double Glass Connector
• Stainless Steel Gr.304 Covers as standard
• Covers secured with small ‘L’ key

Finishes:
086 : Satin stainless steel
087 : Polish stainless steel

66.2011 Glass Clamping Connector
• Stainless Steel Gr.304 Covers as standard
• Covers secured with small ‘L’ key

Finishes:
086 : Satin stainless steel
087 : Polish stainless steel

66.2012 Glass to Glass Connecting Patch
• Stainless Steel Gr.304 Covers as standard
• Covers secured with small ‘L’ key

Finishes:
086 : Satin stainless steel
087 : Polish stainless steel
Glass Door Patch Fittings

66.2013 Quadruple Connector
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small ‘L’ key

**Finishes:**
- 086: Satin stainless steel
- 087: Polish stainless steel

66.2014 Over Panel Side Panel Connector
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small ‘L’ key

**Finishes:**
- 086: Satin stainless steel
- 087: Polish stainless steel

66.2015 Over Panel & Side Panel Connector for making Door Single Action
- Square look on one side and ‘L’ shape look on other side
- Stainless Steel Gr.304 Covers as standard
- Covers secured with small ‘L’ key

**Finishes:**
- 086: Satin stainless steel
- 087: Polish stainless steel
Glass Door Patch Fittings

66.4101
Patch strike

Strike

66.4100
Swing door lock with lever handle
66.3000  
**Wall to glass hinge**  
- Stainless Steel Grade 304  
**Finishes:**  
086 : Satin stainless steel  
087 : Polish stainless steel

66.3001  
**Glass to glass hinge 180°**  
- Stainless Steel Grade 304  
**Finishes:**  
086 : Satin stainless steel  
087 : Polish stainless steel

66.3002  
**Glass to glass bracket 135°**  
- Stainless Steel Grade 304  
**Finishes:**  
086 : Satin stainless steel  
087 : Polish stainless steel
**66.3003**  
**Wall to glass hinge offset**  
- Stainless Steel Grade 304  

**Finishes:**  
086 : Satin stainless steel  
087 : Polish stainless steel

**66.3004**  
**Glass to glass hinge 90°**  
- Stainless Steel Grade 304  

**Finishes:**  
086 : Satin stainless steel  
087 : Polish stainless steel

**66.3005**  
**Wall to glass bracket**  
- Stainless Steel Grade 304  

**Finishes:**  
086 : Satin stainless steel  
087 : Polish stainless steel
Glass Shower Cubicles Fittings

**Pivot hinge**
- Stainless Steel Grade 304

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel

**Bracket for floor mouting**
- Stainless Steel Grade 304

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel

**Wall to glass bracket 90°**
- Stainless Steel Grade 304

**Finishes:**
- 086 : Satin stainless steel
- 087 : Polish stainless steel
Glass Shower Cubicles Fittings

66.1002
Glass to glass bracket 135°
- Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel

66.1003
Glass to glass bracket 90°
- Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel

66.1004
Glass to glass bracket 180°
- Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel
Glass Shower Cubicles Fittings

Stainless steel shower glass door handle, radius corner

Size: Vertical Pull Handle: Dia 19 x 200mm
Horizontal Pull Handle: Dia 19 x 450mm (600 mm also available)
Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel

Stainless steel shower glass door handle, straight corner

Size: Vertical Pull Handle: Dia 19 x 200mm
Horizontal Pull Handle: Dia 19 x 450mm (600 mm also available)
Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel

Stainless steel solid knob

Size: Dia 35mm Length 30mm
Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel

Stainless steel solid knob

Size: Dia 32mm Length 30 mm
Stainless Steel Grade 304

Finishes:
086: Satin stainless steel
087: Polish stainless steel
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